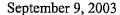
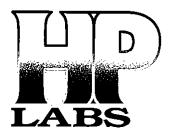
#### **APPENDIX B**

- **B-1 RESULTS OF SOIL VAPOR ANALYSES**
- **B-2 CHAIN-OF-CUSTODY FORMS**
- B-3 DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS

#### **APPENDIX B-1**

#### **RESULTS OF SOIL VAPOR ANALYSES**





Mr. Jay Robinson Geofon 22632 Golden Springs Drive Suite 270 Diamond Bar, CA 91765

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #04-4428.10

HP Labs Project # GF0081803-L6

#### Mr. Robinson:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #1561).

#### **Project Summary**

Soil vapor from 105 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

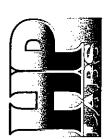
#### **Project Narrative**

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

HP Labs appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely.

Ms. Tamara Davis
Lab Director



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 6973 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Melhod 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UG/L-VAPOR

| SOIL VAPOR DATA IN UG/L-VAPOR            |                  |                   |                   |                   |                   |                   |                   |                   |                   |                   |            |                   |            |            |
|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------|-------------------|------------|------------|
|  | AMBJENT<br>BLANK | SVW12-<br>VPA-001 | SVW12-<br>VPC-002 | SVW31-<br>VPA-003 | SVW31-<br>VPB-004 | SVW31-<br>VPC-005 | SVW31-<br>VPD-006 | SVW31-<br>VPE-007 | SVW30-<br>VPA-008 | SVW30-<br>VPB-009 | SVW30-VPB- | SVW30-<br>VPC-011 | SVW30-     | SVW30-     |
| DATE                                     | 08/18/03         | 08/16/03          | 08/18/03          | 08/18/03          | 08/18/03          | 08/18/03          | 08/18/03          | 08/18/03          | 08/18/03          | 08/18/03          | 08/18/03   | 08/48/03          | 20/06/200  | 2007       |
| ANALYSIS TIME                            | 8:13             | 8:53              | 9:19              | 9:43              | 10:07             | 10:31             | 10:55             | 11:19             | 11:43             | 12:07             | 12-32      | 13:37             | 14.04      | 44.36      |
| SAMPLING DEPTH (feet)                    | ı                | 20                | 8                 | 29                | 32                | 45                | 55                | 65                | 1,                | 2 8               | 30.5       | . P               | £ 6        | 5.4.<br>8. |
| VOLUME WITHDRAWN (cc)                    | ı                | 140               | 300               | 140               | 200               | 240               | 580               | 320               | . 128             | 180               | 240        | 220               | 3 5        | s ž        |
| VOLUME INJECTED                          | 20               | 20                | 20                | 20                | 20                | 20                | 50                | 5                 | 2                 | 3 8               | <b>;</b>   | 3 6               | 3 5        | 25 05      |
| DILUTION FACTOR                          | 0.05             | 0.05              | 0.05              | 90'0              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 50.0       | 0.05              | 0.05       | 0.05       |
|  |                  |                   |                   |                   |                   |                   |                   |                   |                   |                   |            |                   | 2          | 6          |
| CARBON TETRACHLORIDE                     | P                | ρu                | Б                 | P                 | рu                | pu                | 밑                 | 몯                 | g                 | g                 | þl         | 50                | 5          | 5          |
| CHLOROETHANE                             | 5                | B                 | 2                 | 2                 | 9                 | PL                | 2                 | 둳                 | 2                 | 5                 | ! <u>P</u> | 2                 | 2          | 2 2        |
| CHLOROFORM                               | 멑                | ы                 | 9                 | p                 | פ                 | ą                 | 5                 | 2                 | 5                 | 2                 | 2          | 2                 | ! 12       | 2 2        |
| 1,1-DICHLORO ETHANE                      | 5                | ā                 | Б                 | ē                 | g                 | g                 | 밑                 | 2                 | 2                 | 2                 | 2          | 2                 | ! 2        | 2          |
| 1,2-DICHLORO ETHANE                      | 臣                | pu                | 5                 | ē                 | 2                 | g                 | 2                 | <b>B</b>          | 5                 | 밑                 | 2          | <u> </u>          | 2 2        | 2 2        |
| 1,1-DICHLORO ETHENE                      | 5                | 맏                 | рı                | Ē                 | 5                 | ğ                 | 2                 | 멑                 | 멑                 | 5                 | 2          | · 'E              | ! E        | 2 2        |
| CIS-1,2-DICHLORO ETHENE                  | ē                | pu                | ā                 | Þ                 | 2                 | 2                 | 2                 | Ē                 | 2                 | 2                 | 12         | 9                 | 2 2        | 2 2        |
| TRANS-1,2-DICHLORO ETHENE                | P<br>P           | 9                 | ď                 | <b>g</b>          | ē                 | g                 | 2                 | <u>1</u> 2        | 멷                 | 5                 | 2          | 2                 | ! TE       | 2          |
| DICHLOROMETHANE                          | 멑                | g                 | 5                 | ā                 | 5                 | P                 | 2                 | <b>'</b>          | 2                 | 5                 | 2          | 2                 | : TE       | 2          |
| TETRACHLORO ETHENE                       | 멑                | 5                 | 밑                 | 5                 | 멷                 | P                 | 밑                 | 3                 | 5                 | 2                 | Đ          | 2                 | <b>1</b> 2 | 2          |
| 1,1,1,2-TETRACHLORO ETHANE               | 5                | 2                 | 2                 | 2                 | 멀                 | 2                 | 5                 | 5                 | ē                 | 5                 | 19         | <u>a</u>          | g          | pu         |
| 1.1,2,2-TETRACHLORO ETHANE               | ğ                | 5                 | P                 | 5                 | 힏                 | 뒫                 | 몯                 | 2                 | 밑                 | 밑                 | ŋ          | 5                 | 2          | 2          |
| 1,1,1-TRICHLORO ETHANE                   | 9                | 믿                 | pu                | 멀                 | pu                | ы                 | 2                 | 2                 | 밑                 | þ                 | ug         | 2                 | <b>.</b>   | 2          |
| 1,1,2-TRICHLORO ETHANE                   | 2                | 2                 | 2                 | 2                 | 5                 | ы                 | 덜                 | 멸                 | 멑                 | 맏                 | 5          | 2                 | <b>19</b>  | 2          |
| TRICHLORO ETHENE                         | 밑                | 5                 | 힏                 | þ                 | 믿                 | 5                 | 5                 | Б                 | P                 | 5                 | 5          | 2                 | 2          | 2          |
| VINYL CHLORIDE                           | ē                | 믿                 | þ                 | 2                 | ŋ                 | P                 | ē                 | 말                 | 9                 | 2                 | 2          | 2                 | ! 'E       | 2          |
| TRICHLOROFLUOROMETHANE (FR11)            | þ                | Бī                | 5                 | 멷                 | ğ                 | 말                 | 2                 | 밀                 | 2                 | 2                 | 2          | 2                 | 2          | 2          |
| DICHLORODIFLUOROMETHANE (FR12)           | 2                | P                 | 밑                 | 힏                 | 믿                 | g                 | 5                 | 5                 | ā                 | 2                 | 2          | 2                 | 2          | 2          |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)   | рu               | рu                | ы                 | pu                | pu                | nď                | 5                 | <b>B</b>          | 5                 | 2                 | 2          | 2                 | 2          | 2          |
| BENZENE                                  | 힏                | 믿                 | pu                | ы                 | pu                | nd                | 2                 | 돧                 | 됟                 | 2                 | þ          | pu                | 2          | 2          |
| CHLOROBENZENE                            | 5                | 2                 | ŋ                 | 29                | 멑                 | P                 | P                 | pr.               | 5                 | 핃                 | 5          | 5                 | 2          | 2          |
| ETHYLBENZENE                             | 만                | <u>a</u>          | 2                 | <u>3</u>          | 2                 | ٦                 | 2                 | 9                 | 됟                 | 둳                 | 5          | ē                 | 5          | 밑          |
| TOLUENE                                  | 2                | ē                 | 믿                 | 2                 | 힏                 | 돧                 | 2                 | 5                 | 5                 | 멑                 | 臣          | 9                 | 2          | ē          |
| m&p-XYLENES                              | ğ                | P                 | 2                 | 멑                 | 밑                 | 돧                 | 5                 | 2                 | ā                 | 2                 | 12         | g                 | þ          | 9          |
| o-XYLENE                                 | uģ               | p                 | 뒫                 | pu                | ы                 | рц                | Б                 | 멑                 | ē                 | Ę                 | 9          | ā                 | 2          | <u>'</u>   |
| SURROGATES (75-125% RECOVERY)            |                  |                   |                   |                   |                   |                   |                   |                   |                   |                   |            |                   |            |            |
| DIBROMODIFLUOROMETHANE                   | 102%             | 105%              | 106%              | 108%              | 109%              | 111%              | 111%              | 112%              | 112%              | 112%              | 115%       | 116%              | 111%       | 111%       |
| 1,2-DICHLOROETHANE-d4                    | %66              | 104%              | 105%              | 108%              | 105%              | 109%              | 109%              | 108%              | 107%              | 112%              | 111%       | 114%              | 106%       | 11.8       |
| 4 BROMOFLUCKU BENZENE                    | 102%             | Ŧ                 | 103%              | %66               | 100%              | %66               | 101%              | 102%              | %66               | 100%              | 100%       | 95%               | %26        | %86        |
| LINCIPCION A TA CHECCHEO FON WHEADIGN ON | LO FINE          | 00000             | 01041 001         |                   |                   |                   |                   |                   |                   |                   |            |                   |            |            |



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UG/L-VAPOR

|  | AMBIENT          | SVWS-<br>VPB-014 | VPB-015  | VPC-016  | VPA-017  | VPB-018  | VPC-019   | SVW/-    | SVW7-<br>VPB-021 | SVW4-<br>VPB-022 | SVW4-VPB-<br>023 Dup | VPD-024  |
|--|------------------|------------------|----------|----------|----------|----------|-----------|----------|------------------|------------------|----------------------|----------|
| DATE                                   | 08/19/03         | 08/19/03         | 08/19/03 | 08/19/03 | 08/10/02 | 08/10/02 | 00/10/100 | 00/10/00 | 0000000          | 60,00,00         | 4000000              |          |
| ANALYSIS TIME                          | 7-54             | 40.6             | 25.0     | 200      | cover no | 40.00    | 2001      | 50/81/90 | 50/61/90         | 50/18/03         | 50/61/80             | 08/19/03 |
| SAMPLING DEDTH (foot)                  | 5                | 3                | 5 2      | 2 (      | e:01     | 50:01    | 10:2/     | 05:01    | 11:15            | 11:39            | 12:03                | 13:16    |
|  | ı                | ח                | 5        | 55       | 9        | 83       | 6         | 8        | 32               | 20               | 8                    | 26       |
| VOLUME WITHDRAWN (cc)                  | :                | 96               | 144      | 192      | 100      | 176      | 220       | 140      | 200              | 140              | 200                  | 284      |
| VOLUME INJECTED                        | 20               | 20               | 20       | 20       | 8        | 20       | 50        | 70       | 8                | 20               | 20                   | 8        |
| DILUTION FACTOR                        | 0.05             | 0.05             | 90.0     | 0,05     | 0.05     | 0.05     | 0.05      | 0.05     | 0.05             | 0.05             | 0.05                 | 0.05     |
| CACCALL TETO ACTUAL CONTRACT           |                  |                  |          |          |          |          |           |          |                  |                  |                      |          |
| CARBON JEI RACHLORIDE                  | 2                | 1.7              | 5        | 2        | 9        | 2.9      | 2.9       | 3        | 2                | 2                | 멑                    | 5        |
| CHLOROETHANE                           | 9                | 5                | 딛        | pd       | 3        | 5        | P         | 5        | 밀                | 2                | g                    | þ        |
| CHLOROFORM                             | g                | 밑                | 5        | 멑        | 2        | 됟        | 2         | 2        | 2                | 5                | ď                    | 5        |
| 1,1-DICHLORO ETHANE                    | g                | 2                | 2        | 밑        | 2        | 2        | ğ         | 5        | 2                | 2                | 2                    | 2        |
| 1,2-DICHLORO ETHANE                    | 5                | 둳                | 2        | 멑        | 5        | 5        | 몯         | 5        | 5                | 몯                | 2                    | 2        |
| 1,1-DICHLORO ETHENE                    | 5                | 9                | 5        | 멑        | 2        | 5        | 2         | 돧        | 5                | 멷                | 2                    | 5        |
| CIS-1,2-DICHLORO ETHENE                | 돧                | 9                | 2        | ē        | 5        | 밑        | 몯         | 5        | 몯                | 둳                | 2                    | 2        |
| TRANS-1,2-DICHLORO ETHENE              | p                | 2                | 5        | 5        | 2        | Б        | 5         | 2        | 5                | 밑                | P                    | 5        |
| DICHLOROMETHANE                        | 돧                | 5                | 9        | DQ.      | þ        | 멑        | 돧         | 5        | 됟                | 2                | 2                    | 2        |
| TETRACHLORO ETHENE                     | 밑                | 밑                | 3        | 9        | 2        | 5        | 5         | 힏        | 5                | 5                | 2                    | 5        |
| 1,1,1,2-TETRACHLORO ETHANE             | <b>P</b>         | 5                | Ē        | 5        | P        | 9        | 밑         | Ę        | 2                | ā                | 2                    | 9        |
| 1,1,2,2-TETRACHLORO ETHANE             | 5                | 믿                | 5        | 몯        | 5        | Ę        | 5         | 덛        | 12               | 5                | B                    | 5        |
| 1,1.1-TRICHLORO ETHANE                 | 달                | 밑                | 5        | 멑        | 2        | 3        | 돧         | 5        | 5                | 5                | Б                    | 5        |
| 1,1,2-TRICHLORO ETHANE                 | 9                | 5                | 믿        | 잗        | 5        | 됟        | 밑         | 2        | 밑                | 2                | ē                    | 5        |
| TRICHLORO ETHENE                       | g                | 둳                | 2        | 돧        | 2        | 됟        | 2         | 5        | 2                | 92               | 28                   | 2.5      |
| VINYL CHLORIDE                         | 2                | 5                | 됟        | pu       | 5        | 5        | 9         | 5        | 2                | 2                | 먇                    | 5        |
| TRICHLOROFLUOROMETHANE (FR11)          | 2                | 밑                | 5        | 밑        | 5        | 2        | 밑         | 2        | 2                | 2                | g                    | 9        |
|  | 멑                | 2                | 2        | 2        | 5        | 5        | 2         | 5        | 2                | 2                | ğ                    | ğ        |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | 멑                | ри               | ρľ       | pu       | 돧        | рu       | 2         | 5        | 2                | 5                | 2                    | 5        |
| BENZENE                                | 돧                | 5                | рu       | pu       | ы        | Б        | 5         | 2        | 됟                | 밀                | pu                   | 2        |
| CHLUROBENZENE                          | 5                | 2                | 2        | 2        | 5        | 2        | 2         | 2        | 2                | 臣                | 5                    | 5        |
| EIHYLBENZENE                           | 2                | 2                | 3        | 2        | 5        | 밑        | 멸         | 5        | 5                | 5                | 5                    | 5        |
| TOLUENE                                | g                | 2                | 9        | 3        | 밑        | 9        | 5         | 멑        | 2                | Ē                | ը                    | 5        |
| m&p-XYLENES                            | 2                | 2                | 2        | 멑        | 9        | <b>'</b> | 5         | <b>9</b> | 2                | Ę                | 2                    | 5        |
| o-XYLENE                               | Đ                | P                | þ        | ը        | g        | pu       | рп        | þ        | <b>'</b> E       | 9                | Ę                    | 2        |
| SURROGATES (75-125% RECOVERY)          |                  |                  |          |          |          | •        |           |          |                  |                  |                      |          |
| DIBROMODIFLUOROMETHANE                 | 110%             | 103%             | 111%     | 115%     | 114%     | 115%     | 115%      | 115%     | 121%             | 115%             | 119%                 | 110%     |
| 1,Z-DICHLOROETHANE-64                  | 110%             | 100%             | 107%     | 113%     | 113%     | 111%     | 111%      | 110%     | 118%             | 112%             | 114%                 | 105%     |
| * DROMOTLOURO DENZENE                  | % <del>0</del> 8 | 202%             | 103%     | 103%     | ,105%    | 25%      | %26       | 7070     | 7000             | è                | 920                  | 3707     |



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UGAL-VAPOR

| SOIL VAPOR DATA IN UG/L-VAPOR                | i                |                   |                   |                   |                   |                                |                  |                   |                   |                   |              |  |             |           |          |
|--|------------------|-------------------|-------------------|-------------------|-------------------|--------------------------------|------------------|-------------------|-------------------|-------------------|--------------|--|-------------|-----------|----------|
|  | AMBIENT<br>BLANK | SVW11-<br>VPA-025 | SVW32-<br>VPB-026 | SVW32-<br>VPD-027 | SVW32-<br>VPE-028 | SVW32-VPI-SVW32-VPJ<br>029 030 | SVW32-VPJ<br>030 | SVW14-<br>VPA-031 | SVW14-<br>VPB-032 | SVW17-<br>VPC-033 | SVW17-VPC- : | SVW8-VPC- SVW8-VPD- SVW8-VPE-<br>035 036 037 | SVW8-VPD- 8 | SVW8-VPE- | SVW13-   |
| DATE   | 08/20/03         | 08/20/03          | 08/20/03          | 08/20/03          | 08/20/03          | 08/20/03                       | 08/20/03         | 08/20/03          | 08/20/03          | 08/20/03          | 08/20/03     | 08/20/03                                     | 08/20/03    | 08/20/03  | 08/20/03 |
| ANALYSIS TIME                                | 6:58             | 7:48              | 8:17              | 8:40              | 9:04              | 9:29                           | 9:53             | 10:17             | 10:41             | 11:05             | 11:29        | 13:04  | 12:25       | 13.40     | 14:43    |
| SAMPLING DEPTH (feel)                        |                  | 8                 | 40                | 02                | 8                 | 180                            | 195              | чo                | 9                 | æ                 | 38           | 5 5  | 2           | £ 6       | 5 6      |
| VOLUME WITHDRAWN (cc)                        | 1                | 140               | 220               | 340               | 420               | 780                            | 840              | 80                | 100               | 204               | 564          | 260  | 340         | 420       | 140      |
| VOLUME INJECTED                              | 8                | 20                | 20                | 20                | 20                | 50                             | 50               | 50                | 20                | 8                 | 50           | 50   | 20,         | 2         | 2 5      |
| DILUTION FACTOR                              | 0.05             | 0.05              | 0.05              | 0.05              | 0.05              | 0.05                           | 0.05             | 0.05              | 0.05              | 0.05              | 0.05         | 0.05   | 0.05        | 0.05      | 0.05     |
| CADDOM TETOAGE                               |                  |                   |                   |                   |                   |                                | Ì                | ì                 |                   |                   |              |  |             |           |          |
| CARBON LETRACHLORIDE                         | 5                | 5                 | 5                 | 9                 | 5                 | 3.3                            | 2.3              | 밑                 | 9                 | 29                | ρυ           | Б  | 믿           | pu        | P        |
| CHLOROE I HANE                               | 2                | 2                 | Б                 | 5                 | 2                 | 5                              | 9                | 먇                 | g                 | og                | g            | 멀  | þ           | 밑         | 2        |
| CHLOROFORM                                   | ğ                | 2                 | 딛                 | 5                 | 믿                 | p                              | ğ                | g                 | 5                 | P                 | Ē            | 2  | 2           | þ         | 2        |
| 1,1-DICHLORO ETHANE                          | <u>ē</u>         | 믿                 | þ                 | 5                 | 2                 | 둳                              | 2                | nď                | 5                 | 1.2               | 1.2          | 2  | 2           | 5         | 2        |
| 1,2-DICHLORO ETHANE                          | g                | 2                 | 2                 | 5                 | 둳                 | Ę.                             | 5                | 5                 | 5                 | 7                 | 8.7          | 5  | 5           | pu        | 2        |
| 1.1-DICHLORO ETHENE                          | 2                | 2                 | 9                 | 5                 | 臣                 | 말                              | 멑                | 2                 | 2                 | p                 | ٦            | ē  | Ę           | 5         | P        |
| CIS-1,2-DICHLORO ETHENE                      | 2                | 5                 | ď                 | 5                 | 돧                 | ם                              | 둳                | P                 | 5                 | 5                 | 멑            | P  | P           | Ę         | P        |
| TRANS-1,2-DICHLORO ETHENE                    | 5                | 2                 | ᄝ                 | 5                 | 2                 | 2                              | 둳                | 핕                 | 멑                 | 돧                 | ٦            | 5  | 2           | Ы         | 2        |
| DICHLOROMETHANE                              | 2                | 2                 | 2                 | 밑                 | P                 | 5                              | 2                | P                 | 5                 | 5                 | 5            | 밑  | ng          | 밑         | 12       |
| LETRACHLORO ETHENE                           | 5                | 5                 | 2                 | Ę                 | g                 | 9                              | 멑                | 5                 | þ                 | 7.1               | 6.4          | Ę  | g           | p         | Pu       |
| 1,1,1,2-TETRACHLORO ETHANE                   | 5                | 9                 | 2                 | 9                 | ď                 | пď                             | 5                | 먇                 | 멸                 | pu                | 5            | 5  | pu          | 5         | og<br>o  |
| 1,1,2,2-TETRACHLORO ETHANE                   | 밑                | 2                 | 5                 | 5                 | 5                 | 믿                              | 맏                | P                 | p                 | P                 | 2            | ğ  | 5           | ē         | g        |
| 1,1,1-1RICHLORO ETHANE                       | 5                | 2                 | 5                 | 2                 | 2                 | P                              | 뒫                | 밑                 | 5                 | 밑                 | 밑            | 5  | 2           | 5         | ğ        |
| 1,1,2-I RICHLORO ETHANE                      | ğ                | 2                 | 밑                 | 2                 | 믿                 | P                              | 밑                | 5                 | Ę,                | 4.4               | 1.0          | 5  | 힏           | P         | Ē        |
| TRICHLORO ETHENE                             | <u>g</u>         | 2                 | P                 | 2                 | 2                 | 2                              | 9                | 2                 | 3                 | 2.5               | 2,1          | 멑  | 2           | 9         | 臣        |
| VINYL CHLORIDE                               | 2                | 2                 | 밑                 | 2                 | 돧                 | 2                              | 9                | 멸                 | 5                 | 5                 | Ð            | 5  | 2           | ğ         | 2        |
| IRICHLOROFLUOROMETHANE (FR11)                | 2                | 2                 | 5                 | 2                 | 5                 | 돧                              | ď                | <u>5</u>          | 5                 | 2                 | ng           | þ  | 2           | P         | Ş        |
| UICHLORODIFLUOROME (HANE (FR12)              | 5                | 몯 '               | 9                 | 2                 | 2                 | 돧                              | og<br>D          | ᄝ                 | ē                 | 돧                 | пģ           | Ę  | p           | 5         | Ę        |
| 1, 1,2-1 RICALORO I RIFLUOROE I HANE (PR113) | 8                | 2                 | ٩                 | P.                | 믿                 | g                              | 2                | 5                 | þ                 | 5                 | P            | 2  | 밑           | P         | 5        |
| BENZENE                                      | 5                | 5                 | 5                 | 5                 | 멑                 | g                              | 2                | P                 | 5                 | 110               | 06           | 밑  | 밑           | PG<br>PG  | 2        |
| CHLOROBENZENE                                | 5                | 5                 | 됟                 | 2                 | 2                 | 2                              | 2                | 2                 | 멸                 | 5                 | 2            | 믿  | 밑           | 5         | 밀        |
| EIHYLBENZENE<br>***:::::::                   | 5                | 5                 | 2                 | ď                 | <u>g</u>          | 2                              | 밀                | 둳                 | g                 | 3.3               | 2.6          | 2  | 밀           | 멑         | 5        |
| OLUENE<br>A 15 E E E E                       | 5                | 9                 | 5                 | 2                 | 5                 | 2                              | 믿                | 멑                 | 5                 | 1.5               | 1.2          | 5  | 2           | 밑         | ā        |
| B&p.XYLENES                                  | 9                | g                 | 핕                 | 2                 | 힏                 | 2                              | 멑                | P                 | 5                 | 12                | 9.5          | 5  | ď           | <u> </u>  | 9        |
| o-XYLENE                                     | nđ               | 2                 | рu                | P                 | Þ                 | 2                              | 5                | 둳                 | 9                 | 5                 | 2            | 2  | 2           | 7         |          |
| SURROGATES (75-125% RECOVERY)                |                  |                   |                   | i                 |                   |                                |                  |                   |                   |                   |              |  |             | !         |          |
| DIBROMODIFLUOROMETHANE                       | 110%             | 105%              | 110%              | 107%              | 111%              | 114%                           | 116%             | 109%              | 108%              | 88%               | 95%          | 104%   | 107%        | 107%      | 108%     |
| 1,2-DICHLOROETHANE-64                        | 103%             | 104%              | 108%              | 105%              | 107%              | 112%                           | 112%             | 109%              | 109%              | 85%               | 93%          | 102%   | 104%        | 105%      | 106%     |
| 4 BROMOFLUORO BENZENE                        | 104%             | %26               | 105%              | %86               | %66               | %/6                            | 100%             | 110%              | 107%              | 116%              | 113%         | 103%   | 102%        | 104%      | 101%     |
|  |                  |                   |                   |                   |                   |                                |                  |                   |                   |                   |              |  |             |           |          |

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UGAL-VAPOR

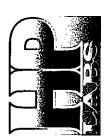
| OATE         CHANGE         PRESIDE         PR   | VPB-042         VPE-043         VPE-044         VPE-045         VPE-045         VPE-045         VPE-045         VPE-045         VPE-045         VPE-045         VPE-045         VPE-045         VPE-046         VPE-046 <t< th=""></t<>  |
|--|--|
| NET    | 0.0421/03         0.0521/03         0.0521/03 <t< th=""></t<>  |
| Color   Colo   | 847         9:11         10:24         10:00         10:48         11:12         11:36         12:44         13:71         13:31           20         50         55         105         120         140         140         190         20   |
| NE   1936   140   20   50   60   60   60   60   60   60   6  | 40         60         85         105         120         140         140         140         140         150         150         150         150         150         150         150         150         150         20  |
| 100    | 220         300         400         480         540         620         680         860         140         20  |
| 10   10   10   10   10   10   10   10  | 20         20<   |
| NE   NO   NO   NO   NO   NO   NO   NO  | 10.05   0.05 |
| NE NET TO THE TOTAL THE TO | nd         nd         nd         11         8.8         nd         nd         nd           nd<   |
| NE   NE   NE   NE   NE   NE   NE   NE  | nd         nd         nd         11         8.8         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd         nd         nd         nd         nd         nd         nd           nd         nd         nd   |
| NE   | nd         nd<   |
| NE   NE   NE   NE   NE   NE   NE   NE  | nd         nd         nd         nd         44         2.5         ng         ng         ng           nd         nd<   |
| NE NG  | nd         nd<   |
| NE NE FRETIS) NE   | nd         nd<   |
| NE NG  | nd         nd<   |
| NE   | nd         nd<   |
| NE NG  | 113%   116%   117%   116%  |
| NE   | nd         nd<   |
| NE   | nd         nd<   |
| NE N   | nd         nd<   |
| NE         nd         nd<   | nd         nd<   |
| NE   | nd         nd<   |
| Ind  | nd         nd<   |
| NE (FR11)  | nd         nd<   |
| NE   NE   NE   NE   NE   NE   NE   NE  | nd         nd         nd         nd         1.7         1.5         nd         nd         od           nd   |
| NE (FR11)  | nd         nd<   |
| NE (FR11)  | nd         nd<   |
| NE (FR12)  | nd         nd<   |
| DETHANE (FR113)  | nd         nd         1.5         nd         2.4         2.5         nd         nd         nd           nd         n   |
| DVERY   Name   | nd         nd<   |
| OVERY)         Ind         nd         nd <t< td=""><td>nd nd n</td></t<>   | nd n   |
| OVERY)         Ind         nd         nd <t< td=""><td>nd nd n</td></t<>   | nd n   |
| OVERY)         nd         nd <th< td=""><td>nd nd n</td></th<>  | nd n   |
| OVERY)         nd         nd <th< td=""><td>nd nd la la</td></th<>   | nd la  |
| OVERY)  Fig. 104% 105% 103% 109% 113% 116% 117% 116% 117% 116% 117% 110% 110% 109% 104% 104% 104% 104% 104% 104% 104% 104  | nd n   |
| OVERY)    104% 105% 103% 105% 113% 116% 117% 115% 117% 117%   117%   117%   117%   117%   117%   117%   117%   110%   104% 104% 104%   104% 104%   10 | 113% 116% 117% 115% 117% 119% 115% 117% 112% 119% 113% 117% 118% 118% 118% 118% 118% 118% 118  |
| E 104% 105% 103% 109% 113% 116% 117% 115% 117% 116% 117% 116% 117% 116% 117% 116% 117% 110% 104% 104% 104% 106% 100% 100% 100% 100% 100% 100% 104% SITE IN CA DOHS MOBILE LABORATORY #1361  MARK BURKE   | 113% 116% 117% 115% 117% 119% 115% 117% 112% 118% 118% 118% 118% 118% 118% 118   |
| 104% 103% 98% 104% 113% 113% 117% 110% 110% 110% 110% 110% 104% 104% 104   | 113% 112% 113% 110% 110% 112% 111% 104% 116% 116% 198% 97% 94%   |
| 108% 104% 104% 104% 104% 104% 106% 100% 100% 104% 104% 104% 104% 104% 104  | 98% 104% 100% 100% 104% 97% 97% 98% 97% 94%  |
|  | Wish Rish Rish Rish Rish Rish Rish Rish R  |
| ANALYSES PERFORMED ON SITE IN CA DOHS MOBILE LABORATORY #1561 ANALYSES PERFORMED BY: MARK BURKE  |  |
| ANALYSES PERFORMED BY: MARK BURKE  | 11561  |
|  | į  |
| DATA REVIEWED BY: TAMARA DAVIS   |  |
|  |  |



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 8850 GC / 5973 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Melhod 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UGIL-VAPOR

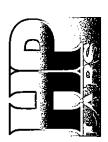
|  |            |              |          |          |              | dna sco  | 2000     |          | 2000     | VPH-053        | VPA-064  | VPB-065 | VPI-066  | 20-5-2   |
|--|------------|--------------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|---------|----------|----------|
| DATE 08                                | 08/22/03   | 08/22/03     | 08/22/03 | 08/22/03 | 08/22/03     | 08/22/03 | 08/22/03 | 08/22/03 | 08/22/03 | 08/22/03       | 08/22/03 | C0,000  | 08/22/03 | 20/20/00 |
| ANALYSIS TIME                          | 2:00       | 7:25         | 7:50     | 8:14     | 8:39         | 9:02     | 9.56     | 9-50     | 10:13    | 10:37          | 11:01    | 42,25   | 47.56    | 13:04    |
| SAMPLING DEPTH (feet)                  | :          | 08           | 140      | 2        | S            | 6        | 505      | 118      | 2 0      | 2 2            | 2 6      | 25.25   | 180      | 2.5      |
| VOLUME WITHDRAWN (cc)                  | ;          | 380          | 620      | 5 5      | 380          | 440      | 94       | 520      | 620      | 20.2           | 3 5      | 5 5     | 3 5      | 2 6      |
| VOLUME INJECTED                        | 8          | 20           | 20       | 20       | 20           | 20       | 2        | 2        | 5        | <u> </u>       | <u> </u> | 2, 6    | 3 5      | 8 8      |
| DILUTION FACTOR                        | 0.05       | 0.05         | 0.05     | 0.05     | 0.05         | 0.05     | 0.05     | 0.05     | 0.05     | 0.05           | 0.05     | 0.05    | 0.05     | 0.05     |
| CARBON TETRACHI OBIDE                  | 1          | 1            |          | 1        |              |          | 7        |          |          |                |          |         |          |          |
| CANDON IEINACHLORIDE                   | e .        | ₽ '          | 2        | D        | 2            | 2        | 2        | 2        | 2.2      | <del>6</del> . | 2        | D.      | 4        | 5        |
| CHLOROETHANE                           | 5          | 2            | 5        | 핃        | 5            | p        | 달        | D.       | 臣        | p              | 됟        | 9       | ב        | 5        |
| CHLOROFORM                             | 2          | g            | <b>P</b> | p        | P            | 5        | Ę        | Þ        | 5.<br>5. | 1.0            | 돧        | þ       | g        | 5        |
| 1,1-DICHLORO ETHANE                    | 5          | 5            | þ        | 2        | P            | 2        | g        | g        | 밑        | pu             | 둳        | 2       | 2        | 2        |
| 1,2-DICHLORO ETHANE                    | 2          | 2            | 밑        | 힏        | 5            | 2        | g        | ы        | ы        | Б              | 2        | 2       | 2        | 5        |
| 1,1-DICHLORO ETHENE                    | 2          | 2            | g        | 돧        | Б            | 5        | P        | p        | 2        | ы              | 둳        | 2       | 2        | 2        |
| CIS-1,2-DICHLORO ETHENE                | 2          | 2            | 2        | 2        | 5            | 멑        | P        | Б        | Pu       | 멑              | 12       | 2       | 5        | 5        |
| TRANS-1,2-DICHLORO ETHENE              | 2          | 멑            | 9        | 2        | 핃            | 5        | 멑        | g        | 2        | рu             | 뒫        | 멑       | 2        | 2        |
| DICHLOROMETHANE                        | 2          | 2            | <u>g</u> | ē        | 5            | 5        | P        | ы        | 2        | ы              | 臣        | 멑       | 2        | 5        |
| TETRACHLORO ETHENE                     | 2          | 5            | ď        | þ        | 2            | 돧        | 5        | ą        | P        | ρυ             | ри       | 2       | 멑        | 5        |
| 1.1.1,2-TETRACHLORO ETHANE             | 5          | 2            | 5        | 밑        | 5            | 5        | 2        | ğ        | 밑        | þ              | 5        | 2       | ē        | 5        |
| 1,1,2,2-TETRACHLORO ETHANE             | 믿          | 5            | 2        | þ        | 밑            | 2        | 2        | pu       | P        | 5              | ng       | 2       | 밑        | 5        |
| 1,1,1-TRICHLORO ETHANE                 | 5          | 됟            | 2        | ğ        | 2            | 5        | 멑        | 5        | 2        | 5              | 5        | 멷       | ē        | 2        |
| 1,1,2-TRICHLORO ETHANE                 | 5          | 2            | 돧        | ā        | 밑            | 달        | P        | 2        | 2        | g              | 5        | 핃       | B        | 5        |
| TRICHLORO ETHENE                       | 밑          | 5            | 밀        | 3.1      | 밑            | 2        | 힏        | 밑        | P        | 9              | Ę        | 5       | 1:1      | ē        |
| VINYL CHLORIDE                         | 5          | 2            | 5        | שַ       | 밑            | 멑        | 5        | 힏        | ğ        | ק              | 2        | 12      | 힏        | 5        |
| TRICHLOROFLUOROMETHANE (FR11)          | 5          | 2            | 5        | 2        | 9            | 2        | Ę        | P        | ъď       | ğ              | 믿        | 밑       | 5        | 2        |
| DICHLORODIFLUOROMETHANE (FR12)         | 밑          | 5            | 핃.       | 2        | 9            | g        | p        | 1.1      | 5        | 5              | 멑        | 5       | 5        | 5        |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | пđ         | рu           | 2.1      | Б        | pu           | ы        | g        | pu       | pu       | pu             | pu       | рu      | Đ        | 5        |
| BENZENE                                | , <u>3</u> | 2            | 5        | 2        | 2            | 3        | 멑        | 2        | 믿        | ы              | 5        | 밑       | υ        | 됟        |
| CHICKOBENZENE<br>THISE STRIPPIN        | E .        | 2            | ם י      | 2        | 2            | 5        | 2        | 2        | 2        | 2              | 2        | ը       | 9        | 돧        |
| CITTLEENZENE                           | 2          | E :          | <u> </u> | 둳 .      | 2            | 5        | <u> </u> | 2        | 2        | p              | 2        | 멑       | 9        | 둳        |
|  | ₽.         | Ē,           | E '      | 2        | 2            | 2        | 9        | 5        | 2        | 2              | 힏        | g       | 2        | 2        |
| map:ATLENES                            | 5          | Ē            | 5        | 2        | 2            | 2        | jo<br>J  | 밑        | 힏        | 됟              | 9        | g       | ď        | 2        |
| O-AYLENE SHODOOATTO (75 405% DECONFONS | 2          | 2            | 밀        | 2        | 밀            | 2        | 2        | 밑        | 2        | 둳              | Б        | 2       | ģ        | 2        |
|  |            |              |          |          |              |          |          |          |          |                |          |         |          |          |
| DIBROMODIFLUOROMETHANE                 | 110%       | 107%         | 112%     | 114%     | 117%         | 121%     | 118%     | 114%     | 120%     | 116%           | 117%     | 115%    | 115%     | 120%     |
| ш                                      | %00L       | 101%<br>%F01 | 113%     | 104%     | 111%<br>2070 | 116%     | 114%     | 110%     | 112%     | 110%           | 112%     | 113%    | 106%     | 118%     |
|  | 200        | 0/00         | 000      | 200      | 2            | 8 25     | 200      | 800      | 800      | 805            | S C      | %H5     | % KD     | %/6      |



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5873 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UGIL-VAPOR.

| SOIL VAPOR DATA IN UG/L-VAPOR          |          |                   |                   |                       |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                       |                   |
|--|----------|-------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-------------------|
|  | AMBIENT  | SVW36-<br>VPA-068 | SVW36-<br>VPB-069 | SVW36-VPB-<br>070 Dup | SVW36-<br>VPC-071 | SVW36-<br>VPD-072 | SVW36-<br>VPE-073 | SVW27-<br>VPA-074 | SVW27-<br>VPB-075 | SVW27-<br>VPC-076 | SVW27-<br>VPD-077 | SVW27-<br>VPE-078 | SWW27-<br>VPF-079 | SVW27-<br>VPG-080 | SVW27-VPG-<br>081 Dup | SVW27-<br>VPI-082 |
| DATE                                   | 08/25/03 | 08/25/03          | 08/25/03          | 08/25/03              | 08/25/03          | 08/25/03          | 08/25/03          | 08/25/03          | 08/25/03          | 08/25/03          | 08/25/03          | 08/25/03          | 08/25/03          | 08/25/03          | 08/25/03              | 08/25/03          |
| ANALYSIS TIME                          | 7:55     | 8:39              | 9:04              | 9:29                  | 9 53              | 10:18             | 10:42             | 11:06             | 11:29             | <u>:</u>          | 12:18             | 13:25             | 13:49             | 14:14             | 14:38                 | 15:01             |
| SAMPLING DEPTH (feet)                  | ı        | 20                | 35                | 35                    | 55                | 75                | 85                | 20                | 35                | 8                 | 88                | 9                 | 120               | 140               | 140                   | 180               |
| VOLUME WITHDRAWN (cc)                  | ı        | 140               | 200               | 260                   | 280               | 360               | 428               | 140               | 200               | 300               | 400               | 460               | 540               | 620               | 680                   | 780               |
| VOLUME INJECTED                        | 20       | 8                 | 8                 | 20                    | 20                | 8                 | 20                | 20                | 20                | 20                | 20                | 20                | 20                | 20                | 20                    | 20                |
| DILUTION FACTOR                        | 0.05     | 0,05              | 0.05              | 0.05                  | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05                  | 0.05              |
| CARRON TETRACHI OPIOE                  | 1        | 2                 | 1                 | 7                     | 7                 |                   | 7                 | 7                 | ;                 |                   |                   | ;                 |                   | ١                 |                       | ٳ                 |
| CHI OPOETHANE                          | 2        | 2 7               | 2 3               | 2 3                   | 2 5               | ₽ 1               | 2 7               | 2 7               | 2 7               | P 1               | 2 7               | 2 ?               | 2 :               | S.                | 2.2                   | 7.7               |
| CALCACIONA                             | ₽.       | 2                 | Ē.                | 5                     | D.                | 2                 | 5                 | 2                 | 2                 | 2                 | 2                 | 5                 | 5                 | 2                 | 5                     | 5                 |
| CHLOROFORM                             | 2        | 2                 | 2                 | 5                     | 5                 | 밑                 | 2                 | 5                 | 힏                 | 돧                 | 밑                 | 달                 | p                 | 2                 | 5                     | 1:1               |
| 1,1-DICHLORO ETHANE                    | 5        | 5                 | 5                 | 5                     | 5                 | 밑                 | Ъ                 | 2                 | 5                 | 맏                 | 2                 | 2                 | B                 | 2                 | р                     | 5                 |
| 1,2-DICHLORO ETHANE                    | 5        | 5                 | 臣                 | 2                     | þ                 | 밑                 | 2                 | p                 | рu                | 멑                 | 2                 | 5                 | pg                | 5                 | 5                     | 5                 |
| 1,1-DICHLORO ETHENE                    | 밑        | P                 | 9                 | 5                     | þ                 | 밑                 | 2                 | ē                 | рĮ                | 밑                 | 5                 | 5                 | ē                 | 핃                 | 5                     | P                 |
| CIS-1,2-DICHLORO ETHENE                | 5        | 모                 | 뎓                 | 5                     | 5                 | 밑                 | <b>P</b>          | ğ                 | ы                 | Б                 | 2                 | 2                 | 5                 | ᄝ                 | 5                     | 5                 |
| TRANS-1,2-DICHLORO ETHENE              | 5        | 멑                 | 잗                 | P                     | 5                 | ы                 | 멑                 | 5                 | 2                 | Έ                 | 밀                 | 됟                 | ē                 | 멑                 | 5                     | ē                 |
| DICHLOROMETHANE                        | g        | pu                | Б                 | 5                     | P                 | pu                | 2                 | 둳                 | 5                 | nd                | 2                 | 2                 | 2                 | 5                 | 힏                     | 멑                 |
| TETRACHLORO ETHENE                     | 5        | 9                 | 2                 | P                     | ם                 | 힏                 | 밑                 | 5                 | 5                 | ng                | 5                 | 2                 | 몯                 | 2                 | ē                     | 둳                 |
| 1,1,1,2-TETRACHLORO ETHANE             | 5        | pu                | ы                 | P                     | 90                | 5                 | 2                 | 2                 | 5                 | 9                 | 5                 | 2                 | 됟                 | Ę                 | 5                     | P                 |
| 1,1,2.2-TETRACHLORO ETHANE             | 5        | ğ                 | g                 | P                     | 9                 | 덜                 | 9                 | P                 | 5                 | Ð                 | 5                 | ā                 | 2                 | 말                 | p                     | 모                 |
| 1,1.1-TRICHLORO ETHANE                 | 5        | p                 | p                 | þ                     | ā                 | 5                 | 9                 | ē                 | P                 | 5                 | 5                 | g                 | 2                 | 5                 | Đ                     | P                 |
| 1,1,2-TRICHLORO ETHANE                 | p        | P                 | pu                | рu                    | ğ                 | 5                 | p                 | 잗                 | Þ                 | 19                | 2                 | ē                 | 밑                 | Ę                 | ē                     | 5                 |
| TRICHLORO ETHENE                       | 5        | ק                 | þ                 | 1.0                   | 5                 | 5                 | 5                 | P                 | 밑                 | 멑                 | 멑                 | ē                 | P                 | 2                 | 5                     | 5                 |
| VINYL CHLORIDE                         | 9        | ğ                 | g                 | pu                    | 5                 | 힏                 | pu                | P                 | P                 | 5                 | ᄝ                 | 5                 | 2                 | 5                 | 5                     | Ē                 |
| TRICHLOROFLUOROMETHANE (FR11)          | 2        | 2                 | P                 | p                     | 5                 | P                 | <b>19</b>         | P                 | ы                 | 5                 | 덛                 | ē                 | 밑                 | 2                 | PC                    | ē                 |
| DICHLORODIFLUOROMETHANE (FR12)         | 2        | 2                 | g                 | Б                     | 멸                 | 5                 | nd                | P                 | 5                 | 5                 | Ę                 | 5                 | 밑                 | 12                | PC                    | nđ                |
| 1,1,2 TRICHLOROTRIFLUOROETHANE (FR113) | 밀        | 멸                 | Б                 | р                     | pu                | pu                | pu                | pu                | pu                | ы                 | 믿                 | pu                | pu                | 밑                 | þ                     | nď                |
| BENZENE                                | pu       | g                 | 5                 | Pu                    | υq                | pu                | 2                 | ри                | pu                | pu                | 맏                 | 밑                 | 밑                 | 밑                 | 힏                     | ğ                 |
| CHLOROBENZENE                          | 5        | Ð                 | P                 | 2                     | 9                 | 5                 | 밑                 | 2                 | 5                 | g                 | þ                 | 5                 | 5                 | pu                | 5                     | ğ                 |
| ETHYLBENZENE                           | P        | ā                 | 맏                 | 2                     | 뎔                 | pu                | 5                 | 5                 | 5                 | g                 | 2                 | 5                 | 2                 | ē                 | P                     | 5                 |
| TOLUENE                                | 5        | ğ                 | P                 | 밑                     | ē                 | p                 | 밑                 | 5                 | ď                 | p                 | P                 | B                 | <b>P</b>          | D<br>D            | Б                     | 5                 |
| m&p-XYLENE\$                           | Б        | nđ                | 먇                 | <u>e</u>              | 5                 | P                 | 밑                 | 5                 | <u>e</u>          | g                 | þ                 | 5                 | 2                 | p                 | 5                     | ā                 |
| O-XYLENE                               | pu       | pq                | 힏                 | nď                    | pu                | 먇                 | 멑                 | 臣                 | 3                 | Б                 | 臣                 | 2                 | Þ                 | 5                 | 2                     | Ē                 |
| SURROGATES (75-125% RECOVERY)          |          |                   |                   |                       |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                       |                   |
| DIBROMODIFLUOROMETHANE                 | 105%     | 108%              | 105%              | 113%                  | 110%              | 113%              | 112%              | 112%              | 112%              | 115%              | 114%              | 113%              | 113%              | 114%              | 113%                  | 115%              |
| 1,2-DICHLOROETHANE-d4                  | 101%     | 103%              | 105%              | 109%                  | 108%              | 105%              | 111%              | 108%              | 108%              | 112%              | 110%              | 105%              | 109%              | 109%              | 114%                  | 114%              |
| 4 BROMOFLUORO BENZENE                  | 100%     | 101%              | 100%              | 101%                  | 100%              | 88%               | 95%               | 94%               | %26               | 83%               | 93%               | 100%              | 95%               | 84%               | %98                   | 100%              |



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Melhod 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UGIL-VAPOR

|  | AMBIENT<br>BLANK | SVW38-<br>VPD-083 | SVW38-<br>VPF-084 | SVW38-<br>VPJ-085 | SVW37-<br>VPB-086 | SVW37-<br>VPE-087 | SVW37-<br>VPH-088 | SVW37-VPH-<br>089 Dup | SVW37-<br>VPI-090 | SVW37-<br>VPJ-091 |
|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-------------------|-------------------|
| DATE                                   | 08/27/03         | 08/27/03          | 08/27/03          | 08/27/03          | 08/27/03          | 09/27/03          | 08/27/03          | 08/27/03              | 08/27/03          | 08/27/03          |
| ANALYSIS TIME                          | 8:42             | 9:07              | 9:38              | 10:03             | 10:27             | 10:53             | 11:18             | 11:43                 | 12:09             | 12:34             |
| SAMPLING DEPTH (feet)                  | ;                | 80                | 110               | 170               | 40                | 9                 | 155               | 155                   | 170               | 185               |
| VOLUME WITHDRAWN (cc)                  | 1                | 380               | 200               | 740               | 220               | 460               | 9                 | 740                   | 740               | 800               |
| VOI,UME INJECTED                       | 8                | 8                 | 20                | 20                | 8                 | 23                | 8                 | 20                    | 8                 | 20                |
| DILUTION FACTOR                        | 0.05             | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05              | 0.05                  | 0.05              | 0.05              |
|  |                  |                   |                   |                   |                   | i                 |                   |                       |                   |                   |
| CARBON TETRACHLORIDE                   | 9                | Б                 | 2                 | 믿                 | 5                 | 5                 | 돧                 | рu                    | 밑                 | υд                |
| CHLOROETHANE                           | 5                | 밑                 | 5                 | 5                 | 몯                 | 핕                 | 핃                 | g                     | 5                 | 5                 |
| CHLOROFORM                             | uğ               | пd                | 5                 | 믿                 | 2                 | 2                 | 1.1               | 3                     | 밑                 | <u>a</u>          |
| 1,1-DICHLORO ETHANE                    | <u>a</u>         | Б                 | 5                 | 5                 | 멑                 | 돧                 | 몯                 | ag<br>ag              | 25                | <u>e</u>          |
| 1,2-DICHLORO ETHANE                    | ğ                | ы                 | 5                 | 믿                 | 2                 | <b>2</b>          | 돧                 | g                     | 밑                 | <u>g</u>          |
| 1,1-DICHLORO ETHENE                    | 2                | P                 | 5                 | 2                 | 멑                 | <u>P</u>          | 2                 | 5                     | 5                 | 9                 |
| CIS-1,2-DICHLORO ETHENE                | 2                | 9                 | 2                 | 믿                 | 2                 | 9                 | 돧                 | <b>19</b>             | 밑                 | 5                 |
| TRANS-1,2-DICHLORO ETHENE              | 2                | 힏                 | 5                 | 2                 | 밀                 | 9                 | 믿                 | 5<br>G                | 5                 | 멸                 |
| DICHLOROMETHANE                        | 5                | 5                 | 5                 | 돧                 | 밀                 | 핕                 | 2                 | ng<br>ug              | 덜                 | טַר               |
| TETRACHLORO ETHENE                     | 5                | 9                 | 2                 | 2                 | 2                 | ē                 | 됟                 | og                    | 밑                 | 멸                 |
| 1,1,1,2-TETRACHLORO ETHANE             | 5                | 뒫                 | 5                 | 2                 | 2                 | 믿                 | 됟                 | g                     | 5                 | <u>g</u>          |
| 1.1,2,2-TETRACHLORO ETHANE             | 2                | Б                 | 멸                 | 믿                 | 5                 | 2                 | 돧                 | ng                    | 밑                 | 둳                 |
| 1.1,1-TRICHLORO ETHANE                 | 2                | р                 | 2                 | 2                 | 돧                 | g                 | 몯                 | ng                    | 밑                 | 밀                 |
| 1,1,2-TRICHLORO ETHANE                 | 2                | Ē                 | 5                 | 2                 | Ę                 | 2                 | 핃                 | g                     | 덜                 | ā                 |
| TRICHLORO ETHENE                       | 2                | 밑                 | 돧                 | 5                 | 5                 | 'n                | 짇                 | g                     | 5                 | лд                |
| VINYL CHLORIDE                         | 2                | 믿                 | 5                 | 2                 | 2                 | g                 | 멑                 | nd                    | 5                 | <u>a</u>          |
| TRICHLOROFLUOROMETHANE (FR11)          | 5                | р                 | 2                 | 1.8               | 돧                 | 5                 | <del>6</del> .    | 1.6                   | 2                 | 멸                 |
| DICHLORODIFLUOROMETHANE (FR12)         | 2                | Ę                 | 5                 | 됟                 | 2                 | 2                 | 믿                 | ug                    | 덜                 | 9                 |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | 5                | ы                 | Б                 | 5                 | PL                | P                 | Б                 | nd                    | рu                | рц                |
| BENZENE                                | 2                | 5                 | 2                 | 5                 | Б                 | 밑                 | 2                 | pu                    | 밑                 | пd                |
| CHLOROBENZENE                          | 2                | 2                 | 2                 | 5                 | 2                 | 9                 | 2                 | 9                     | 5                 | <u>P</u>          |
| ETHYLBENZENE                           | 돧                | 9                 | 2                 | 말                 | 힏                 | 2                 | 2                 | <b>1</b>              | 밑                 | 먇                 |
| TOLUENE                                | 2                | 5                 | 2                 | 밀                 | 2                 | 5                 | 2                 | uğ                    | 2                 | ը                 |
| m&p-XYLENES                            | 2                | 5                 | 2                 | 5                 | 힏                 | 5                 | 멑                 | g                     | 2                 | 2                 |
| o-XYLENE                               | E                | 믿                 | p                 | 2                 | 믿                 | pu                | pq                | nd                    | pu                | PG<br>PG          |
| SURROGATES (75-125% RECOVERY)          |                  |                   |                   |                   |                   |                   |                   |                       |                   |                   |
| DIBROMODIFLUOROMETHANE                 | 106%             | 108%              | 109%              | 114%              | 114%              | 120%              | 118%              | 121%                  | 123%              | 124%              |
| 1,2-DICHLOROETHANE-64                  | 106%             | 119%              | 102%              | 108%              | 111%              | 115%              | 109%              | 113%                  | 114%              | 117%              |
| 4 BROMOFLUORO BENZENE                  | 103%             | 35%               | 103%              | 95%               | 85%               | 94%               | 93%               | 95%                   | 94%               | %26               |

4 BROMOFLUORO BENZENE 103% 95% 103% 95%
ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UGIL-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Melhod 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UGIL-VAPOR

| SOIL VAPOR DATA IN UG/L-VAPOR          |                  |                   |                       |                   |                   |                   |                   |                   |
|--|------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| ٠                                      | AMBIENT<br>BLANK | SVW34-<br>VPE-092 | SVW34-VPE-<br>093 Dup | SVW34-<br>VPF-094 | SVW39-<br>VPA-095 | SVW39-<br>VPE-096 | SVW39-<br>VPF-097 | SVW39-<br>VPI-098 |
| DATE                                   | 08/28/03         | 08/28/03          | 08/28/03              | 08/28/03          | 08/28/03          | 08/28/03          | 08/28/03          | 08/28/03          |
| ANALYSIS TIME                          | 7:51             | 8:18              | B;42                  | 9:07              | 9:31              | 9:56              | 10:21             | 10:46             |
| SAMPLING DEPTH (feet)                  | 1                | 80                | 80                    | 92                | 20                | 82                | 001               | 130               |
| VOLUME WITHDRAWN (cc)                  | ;                | 380               | 440                   | 440               | 140               | 400               | 460               | 580               |
| VOLUME INJECTED                        | 50               | 50                | 50                    | 20                | 20                | 8                 | 8                 | 20                |
| DILUTION FACTOR                        | 0,05             | 0,05              | 0.05                  | 9.05              | 0.05              | 0.05              | 0.05              | 0.05              |
| CABBON TETBACH OPINE                   | ě                | 1                 | 1                     | 3                 | 7                 | 4 7               | ;                 | 1                 |
|  | 3 7              | 2                 | 2 7                   | 2 1               | 2 1               | <u>.</u>          | ,                 | ₽ 1               |
| CHLOROEI HANE                          | 5                | 5                 | 2                     | 2                 | Đ                 | 2                 | 2                 | 2                 |
| CHLOROFORM                             | 5                | 2                 | 5                     | ğ                 | 밑                 | 5                 | 5                 | Þ                 |
| 1,1-DICHLORO ETHANE                    | 밑                | 9                 | 뒫                     | ğ                 | 5                 | 2                 | 믿                 | 밑                 |
| 1,2-DICHLORO ETHANE                    | ы                | 5                 | p                     | 9                 | 밀                 | 2                 | 5                 | Б                 |
| 1,1-DICHLORO ETHENE                    | 5                | 5                 | 2                     | 2                 | 5                 | 5                 | 2                 | Ē                 |
| CIS-1,2-DICHLORO ETHENE                | 5                | p.                | 5                     | 5                 | 5                 | 5                 | 5                 | 5                 |
| TRANS-1,2-DICHLORO ETHENE              | Б                | 9                 | 2                     | 2                 | 5                 | Б                 | 2                 | 뒫                 |
| DICHLOROMETHANE                        | р                | p                 | 2                     | 밑                 | 돧                 | 2                 | 5                 | 5                 |
| TETRACHLORO ETHENE                     | P                | 밑                 | 9                     | 밑                 | 뒫                 | 2                 | 2                 | 5                 |
| 1,1,1,2-TETRACHLORO ETHANE             | ы                | 5                 | 5                     | 핕                 | 2                 | 5                 | 5                 | 둳                 |
| 1,1,2,2-TETRACHLORO ETHANE             |                  | 밑                 | uq                    | 밑                 | 2                 | 2                 | 멑                 | 됟                 |
| 1,1,1-TRICHLORO ETHANE                 | Б                | 2                 | g                     | 덛                 | 5                 | 2                 | 3                 | 5                 |
| 1,1,2-TRICHLORO ETHANE                 | 5                | 5                 | <b>1</b> 0            | 몯                 | 2                 | 5                 | Ę                 | 5                 |
| TRICHLORO ETHENE                       | 5                | 5                 | ы                     | 짇                 | 5                 | 2.8               | 5.2               | 8.2               |
| VINYL CHLORIDE                         | Þ                | 뒫                 | 5                     | 몯                 | 5                 | ď                 | <b>9</b>          | 2                 |
| TRICHLOROFLUOROMETHANE (FR11)          | 2                | 됟                 | 5                     | 5                 | 5                 | 9                 | 5                 | 2                 |
| DICHLORODIFLUOROMETHANE (FR12)         | 5                | 5                 | p                     | 멑                 | 5                 | <u>g</u>          | 5                 | 2                 |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | pu               | pu                | pu                    | 멑                 | 5                 | 26                | 25                | 1.7               |
| BENZENE                                | ים               | 힏                 | ρu                    | 2                 | 2                 | g                 | 밑                 | P                 |
| CHLOROBENZENE                          | <u>a</u>         | 힏                 | 둳                     | 돧                 | 2                 | <b>g</b>          | Ē                 | 믿                 |
| ETHYLBENZENE                           | 2                | 밀                 | 臣                     | 돧                 | 3                 | ng<br>D           | 둳                 | ď                 |
| TOLUENE                                | g                | 2                 | 멀                     | 멑                 | 9                 | P                 | 5                 | ug.               |
| m&p-XYLENES                            | 9                | 5                 | 5                     | 2                 | 5                 | 밑                 | 5                 | 5                 |
| o-XYLENE                               | ng               | nđ                | pu                    | B                 | nď                | ш                 | пd                | pu                |
| SURROGATES (75-125% RECOVERY)          |                  |                   |                       |                   |                   |                   |                   |                   |
| DIBROMODIFLUOROMETHANE                 | 107%             | 111%              | 105%                  | 111%              | 110%              | 118%              | 116%              | 119%              |
| 1,2-DICHLOROETHANE-d4                  | 104%             | 105%              | 102%                  | 106%              | 106%              | 110%              | 112%              | 114%              |

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UGAL-VAPOR FOR EACH COMPOUND ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

%96

94%

%66

%66



HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UG/L-VAPOR

| SOIL VAPOR DATA IN DG/L-VAPOR  |                  |                   |                   |                   |                   |                  |                      |                  |
|--|------------------|-------------------|-------------------|-------------------|-------------------|------------------|----------------------|------------------|
|  | AMBIENT<br>BLANK | SVW15-<br>VPB-099 | SVW15-<br>VPC-100 | SVW15-<br>VPD-101 | SVW15-<br>VPE-102 | SVW6-VPB-<br>103 | SVW6-VPB-<br>104 Dup | SVW6-VPD-<br>105 |
| DATE   | 08/29/03         | 08/29/03          | 08/29/03          | 08/29/03          | 08/29/03          | 08/29/03         | 60/66/80             | 08/29/03         |
| ANALYSIS TIME  | 7:40             | 8:05              | 8:28              | 8:53              | 9:17              | 9:41             | 10:05                | 10:29            |
| SAMPLING DEPTH (feet)  | :                | 40                | 8                 | 75                | 8                 | 9                | 40                   | 7.2              |
| VOLUME WITHDRAWN (cc)  | 1                | 220               | 300               | 360               | 450               | 220              | 280                  | 368              |
| VOLUME INJECTED  | 20               | 20                | 20                | 8                 | 8                 | 20               | 8                    | 20               |
| DILUTION FACTOR  | 0.05             | 0.05              | 0.05              | 0.05              | 0.05              | 0.05             | 0.05                 | 0.05             |
|  |                  |                   |                   |                   |                   |                  |                      |                  |
| CARBON TETRACHLORIDE   | P                | pu                | 밑                 | 먇                 | 밑                 | pu               | PП                   | ng               |
| CHLOROETHANE   | P                | 믿                 | Б                 | ри                | 5                 | 2                | ы                    | 밑                |
| CHLOROFORM   | 5                | 5                 | 밑                 | 2                 | 2                 | P                | 밑                    | 2                |
| 1,1-DICHLORO ETHANE  | 2                | 믿                 | P                 | P                 | 2                 | 밑                | ы                    | 2                |
| 1,2-DICHLORO ETHANE  | 5                | Б                 | 5                 | 힏                 | 5                 | ы                | P                    | 5                |
| 1,1-DICHLORO ETHENE  | 2                | 몯                 | 둳                 | P                 | 5                 | 말                | ри                   | 2                |
| CIS-1,2-DICHLORO ETHENE  | 2                | 5                 | 2                 | þ                 | þ                 | P                | 덛                    | 2                |
| TRANS-1,2-DICHLORO ETHENE  | 2                | 5                 | Þ                 | 5                 | þ                 | 믿                | D.                   | 밑                |
| DICHLOROMETHANE  | p                | 믿                 | 멑                 | ē                 | 5                 | 만                | 10                   | 5                |
| TETRACHLORO ETHENE   | 5                | ٦                 | ā                 | 밑                 | <b>1</b> 9        | 5                | 5                    | 돧                |
| 1,1,1,2-TETRACHLORO ETHANE   | 밀                | 멑                 | 9                 | ē                 | 5                 | 9                | ng                   | 2                |
| 1,1,2,2-TETRACHLORO ETHANE   | 멷                | 2                 | 밀                 | Б                 | 9                 | 19               | g                    | 5                |
| 1,1,1-TRICHLORO ETHANE   | 말                | 됟                 | pu                | 밑                 | 9                 | 5                | ng                   | 2                |
| 1,1,2-TRICHLORO ETHANE   | g                | 돧                 | 멑                 | <b>1</b> 2        | 9                 | 100              | Ę                    | 5                |
| TRICHLORO ETHENE   | 5                | Б                 | ğ                 | 밑                 | 9                 | ng<br>ug         | ű                    | 돧                |
| VINYL CHLORIDE   | P                | 2                 | ŋ                 | P                 | g                 | <u>n</u>         | 5                    | ۶                |
| TRICHLOROFLUOROMETHANE (FR11)  | ъ                | P                 | DG.               | Ę                 | g                 | P                | 5                    | 5                |
| DICHLORODIFLUOROMETHANE (FR12)   | p                | 5                 | ď                 | Đ.                | ğ                 | 5                | 2                    | 2                |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)   | p                | ы                 | nď                | nd                | pu                | ng               | 5                    | 돧                |
| 8ENZENE  | pu               | 밑                 | пď                | ъ                 | nď                | nđ               | ри                   | Pu               |
| CHLOROBENZENE  | p                | 밑                 | <b>g</b>          | 2                 | 2                 | ם                | 5                    | 5                |
| ETHYLBENZENE   | Đ.               | 2                 | 2                 | g                 | 5                 | Б                | 2                    | 힏                |
| TOLUENE  | 달                | 멑                 | 2                 | ğ                 | 2                 | 2                | Ъ                    | 둳                |
| m&p-XYLENES  | 밑                | 밑                 | 2                 | g                 | 2                 | 2                | 5                    | 돧                |
| o-XYLENE   | ρυ               | ы                 | P                 | pu                | pu                | ы                | 5                    | 몯                |
| SURROGATES (75-125% RECOVERY)  |                  |                   |                   |                   |                   |                  |                      |                  |
| DIBROMODIFLUOROMETHANE   | 113%             | 114%              | 110%              | 118%              | 119%              | 121%             | 118%                 | 121%             |
| 1,2-DICHLOROETHANE-44  | 110%             | 109%              | 102%              | 113%              | 107%              | 114%             | 115%                 | 113%             |
| ND INDICATES AIOT DETECTED AT A DETECTION  | R CO             | 8.101<br>GG 41.   | 2070              | %L0L              | %ce               | 95%              | 91%                  | %96<br>**        |
| The second secon |                  |                   |                   |                   |                   |                  |                      |                  |

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

#### **APPENDIX B-2**

#### **CHAIN-OF-CUSTODY FORMS**



# CHAIN-OF-CUSTODY RECORD

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# CHAIN-OF-CUSTODY RECORD

|   | ð   | PECULIANE MANE | JAY ROBINSON              | LOGESTON SOLD SOLD SOLDS. S. S | CITY, STATE AND ZIPCODE | MATIONS 18AK CA 11 TES         |                           | Comments                                   | 60 cc 57/11/208    |              |                |   |   |   |   |   |   |    | COOLER TEMPERATURE UPON RECEIPT | SAMPLE'S CONDITION UPON RECEIPT         |               | ject Data Manager  |
|---|-----|----------------|---------------------------|---|-------------------------|--------------------------------|---------------------------|--|--------------------|--------------|----------------|---|---|---|---|---|---|----|---------------------------------|---|---------------|--|
|   | _   |                | 858-773-0401 858-773-0464 | 432 N. CKN LOS AVE  | 7.7                     | SOLANA ISCALA CA (COS) MATIONS | John See.                 |  | *-                 |              |                |   |   |   |   |   |   |    | COOLE                           |   | 330 G-00d     | with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager |
| 396-1455  | 1   | 55             | 04-4728 10                | 1/4   | CUIEST                  | US NAVY SWOIV                  | 909 - 39 6-1455           | TA TO TOO TO | NOUS 1* 3          |              |                |   |   |   |   |   |   |    | LL NUMBER:                      | ┝╼                                      | 8-8-8         |  |
| DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 |     | 7997-9         | ANAVAZ SVE MONTORUME      | 画る  | CITY. STATE AND ZIPCODE | 145 45 BBJACA 71108            | PHONE 1 MANAGER S PHONE 1 | SHILL SOCK THERE                           | 11 AIR 8/18/3 1318 | 2   1340     | 105 1 1405     |   |   |   |   |   |   |    | COURIER AND AIR BILL NUMBER.    | 111111111111111111111111111111111111111 | 11/1/11/11/11 | Distribution: White - Laboratory (To be returned                                 |
| DIAMOND BA  | 8 . | JAY KOBINSON   | PROJECT NAME:             | PROJECT CONTACT  TAY ROBINSON                                   | PROJECT ADDRESS         | 4800 OAK GRONE DK              | PROJECT MANAGER           | 1  | 1 Sm30-79C-0       | 2 SM30-MD-01 | 3 Sm 30-M6-013 | 4 | 5 | 9 | 7 | 8 | 6 | 01 | SAMPLES COLLECTED BY            | 15                                      | Ton Mil       | Q  |

# CHAIN-OF-CUSTODY RECORD

|                          | -296-1455 GF08180346 MARKBUKE (PROFON INC |                      | 2   | SOLAWA BEACH CA 92075                              | 11/1/1/05        | C. Leak A. T. T. Comments | N)0(A             |                         |                      |                    |                    |                     |                     |                     | \(\rightarrow\) | DUPLICATE       | COOLER TEMPERATURE UPON RECEIPT | DATE TIME SAMPLE'S CONDITION UPON RECEIPT | 8-14.9 1311 6-016          | 1.1. 4 - 1. d 1. d. |
|--------------------------|---|----------------------|-----|--|------------------|---------------------------|-------------------|-------------------------|----------------------|--------------------|--------------------|---------------------|---------------------|---------------------|-----------------|-----------------|---------------------------------|---|----------------------------|--|
| 662 • FAX (909) 396-1455 | THY PORM 1501 909 - 396-762 909 - 396-7   | MINION SE MONITORING | · • | PRY STATE AND ZIPCODE  OFFICE AND SPUT CA 9/108 US | 909-396-7662 909 | Sight till GIV            | 19/2 0802 NANK 1* | 2 Srw2-VPB-015 1 0824 1 | 3 SVW 1-YPC-016 0846 | 4 SW2-VPA-017 0908 | 5 SW3-YPB-018 0930 | 6 SVW3-YPC-019 0982 | 7 Srw7-rph-020 1017 | 8 Srw7-rPB-021 1040 | 9 Smy-v08-022   | 10 Sym4-YPB-023 | TED BY TATE COURSER             | ELINOUS GER BY                            | to go will be a few little |  |

## TOROPORA TED 22632 GOLDEN SPRINGS DR., SUITE 270

# CHAIN-OF-CUSTODY RECORD

|  | 96-1455 GFORISO3-66 MARK BUCKE CORPANY NAME)            | TAY ROBINSON                       | 432 N. CED ROS ANG 22632 COLDEN SPLINGE DR     | Ť             |  | ELIZA                 | (NORM)             |   |   |   |   |   |       |   |    | COOLER TEMPERATURE UPON RECEIPT   | DATE TIME SAMPLE'S CONDITION UPON RECEIPT  X -/q 05   3 /5 / |              | Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager |
|--|---|------------------------------------|--|---------------|--|-----------------------|--------------------|---|---|---|---|---|-------|---|----|---|--|--------------|---|
| 22632 GOLDEN SPRINGS DR., SUITE 270<br>DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 | PAN C   | 1704MG                             | _  | 4 91/08 USNAY | PROJECT MANAGER 3<br>PHONE 7662 909-396-1455 | O 10 % Savissava sin. | 19/2/255 NONB 1*   |   |   |   |   |   |       |   | ,  | COURLER AND AIR BILL NUMBER.  | HALL MACEINED BY   | Trade   Wall | ite - Laboratory (To be returned with Ans   |
| 22632 GOLDEN SPRINGS DR., SUITE 270<br>DIAMOND BAR, CA 91765 • (909) 396-7662                      | GEOFONY, LAB COORDINATOR S PHONE  JAY ROBINSON 909-396- | PROJECTURANTE # 2 PROJECT LOCATION | PROJECT CONTACT  PROJECT PHONE NUMBER  7/4-976 | Ŋ             |  | Sample Identifier     | 1 SYW4-YPD-024 AIK | 2 | 3 | 4 | 5 | 9 | <br>∞ | 6 | 01 | SAMPLES COLLECTED BY The SAMPLES COLLECTED BY | RELINOMINED BY   |              | Distribution: Wi  |

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# CHAIN-OF-CUSTODY RECORD

| JAMONU BAH, CA 91/63 * (909) 390-7002 * FAA (909) 390-1435 | M(0)  $ M(0) $ | PROJECT LOCATION  PROJECT LOCATION  PROJECT NUMBER  PROJECT LABORATORY PAY  PROJECT LOCATION PROJECT NUMBER  PROJECT LABORATORY PAY  PROJECT LOCATION  PROJECT LOCATION  PROJECT LOCATION  PROJECT NUMBER  PRO | 714-920-8438 PROJECT FLX 1/7 432 N. CED LOS AVE   | MARKANDA CA 9/1/18 17 (A) A/Y Child I'M SOLAND ROACH CA 92075 | PROJECT MANAGER'S PROJECT MANAGER'S FAX 9009-396-71662 909-396-1455 | No. of the state o | 4 10 8/24, 0730 Im 16 1 X 3 110em | 1 1 0755 [ 1    | - VPB-627 X      | 20-34x          |                   | .VPJ-030 0924  | YPA-031 0946 X  | 1008 X X X X X X X X X X X X X X X X X X | VPC-033 1030 X | X   N   ZSOI      | COUNTER AND AIR BILL NUMBER. | WREGEWED'BY DATE TIME |       | Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager |
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| DIAMOND BAH, CA  | TAY ROSINCO  | _  | PROJECT CONTACT  PROJECT CONTACT  PROJECT CONTACT | 0   |   | ogional de la constant   | 5 VW                              | 2 SVW32-VPB-026 | 3 Sm 32- VPB-627 | 4 5m32- VME-028 | 5 Sww 32- MPI-029 | 6 Sm32-125-030 | , 5m14- YPA-031 | 8 SM14-YPB-032                           | 9 SMI7-VPC-033 | 10 Srw/7- VPC-034 | SAMPLES COLLECTED BY         | KE OBHSHOONING        | toler | Distrih   |

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# CHAIN-OF-CUSTODY RECORD

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22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

|  | 100    | PROJECT STATE PROJECT PHO<br>PROJECT CONTACT<br>STAY LOSINSON 714- |                             | •                                     | •          |                           |             |                            |
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| ### Comments of Contract No. 1724   Contract N | ### Winder Low-row Probe 1705   Part 1705  | Son  | 396-7662                    | 909-39                                | S 650818   | MARK                      |             | 3                          |
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| S - VPC - 0.35   | 3 - 77 2 - 635   | NAGER PROJECT MAN  | 09/ C7/ C2                  | GR'S FA                               |            |                           |             |                            |
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## CHAIN-OF-CUSTODY RECORD

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OF A CONTROL OF シングラグ Comments GEDFON MAIL REPORT (COMPANY NAME) COOLER TEMPERATURE UPON RECEIPT Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager Dufucati SAMPLE'S CONDITION UPON RECEIPT \* 60 CL SOLANDA BETHLY CA 92075 909-396-7662 909-396-1455 GFORIRO3-L6 MARK BURKET RIGHT BEST LOCKTION FAX.
ANDUAL SKE MONITORING 04-4428-10 888-793-0401 858-793-0404 432 N. CEDROS AVE LABORATORY CONTACT A CONTRACT -LABORATORY SERVICE 1D CITY. STATE AND ZIPCODE 3: 143a MOCENIA K 乂 یح ×  $\angle$  $\nearrow$ ₹<u>}</u> DATE 9-21-93 San John San CITY STATE AND ZIPCODE

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PROJECT MANAGER'S

PROJECT MANAGER'S 769-396-7662 | 909-396-1455 7400,100 LAB COORDINATOR'S FAX Pareserved . \* PROJECT FAX | N C O H P O B A T E D 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 A1R 8/2/6/07/5 NONE COURTER AND AIR BILL NUMBER. Start 1 0906 2780 12 h 0360 1034 1012 9800 0737 2760 714-920-8438 CITY. STATE AND ZIPCODE 3,80 tinen. LAB COORDINATOR'S PHONE SM33- YPG-047 5m 33-MB-042 Snw 33-12-043 5rw 33- VPD-044 5m33-VPF-046 10 Sm 33 - VPG-048 5M33- VP8-045 DUPLICATE SMJ0-197-040 SAMPLES COLLECTED BY 5m 10-MB-039 5 pw 33-YPA-041 Sample Identifier 4800 OAK CHONE DE PROJECT MANAGER ASLAL FAHEEM T. ROBINSON · KOBINSON PROJECTIVALE #2 GEOFON', LAB COORDINATOR B

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# CHAIN-OF-CUSTODY RECORD

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INCORPORATED 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 

| MAIL REPORT (COMPANY NAME)   | GEBFEN INC             | 1. Cols 1 NSO N      | 12632 (50/15 cm 5/21, 20 D/L         | DIAMOND BAR CA 91765     | 1 1            | Comments              | * 60 cc 54/21 2005 |  |               |                  |               |                  |       |   |    | COOLER TEMPERATURE UPON RECEIPT | SAMPLE'S CONDITION LPON RECEIPT |          | roject Data Manager   |
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| LABORATORY SERVICE ID LABORATORY CONTACT   | GF081803-L6 MARK BURKE |                      | 432 N. CODES AVE                     | SOLAND ROODE CH CA 92075 | 0.00 35°       |                       |                    |  |               |                  |               |                  |       |   |    | 000                             |                                 | 430 Cost | Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager |
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| DIAMOND BAH, CA 91765 • (909) 386-7662 • FAX (909) 396-1455  R LAB COORDINATOR'S PAONE |                        | משמשלמ               | -8438 PROJECT FAX                    | CLIEST CLIEST            | 62 909-396-145 | \$0.30 SANDSALC BUILT | 25 NAW 17          | 1247                                   | (310          | 1332             | 1354          | 9141             |       |   |    | COURIER AND AIR BILL NUMBER:    | RECEIVED BY                     |          | aboratory (To be returned with An   |
| CA 91765 • (909) 396-76  | 909-396-7662           | PROJECT LOCATION SVE | PROJECT PHONE NUMBER 7/4 - 9 20-8438 | CITY. STATE AND ZIPCODE  | 909-396-7662   | twen                  |                    | T                                      | 1 73          | 7                | 3             | 7.               |       |   | ,  | COU                             | 8                               |          | ibution: White - La   |
| DIAMOND BAH, GEOFON'S LAB COORDINATOR  | J. ROBINSON            |                      | 2                                    | 7                        | <u> </u>       |                       | 1 SM33-XPJ-049     | 2 SVW 9- YPH-050                       | 3 Spw9-48-051 | 4 Sym9 - YPC-052 | 5 Smy- MD-053 | 6 Smy - VVB- 054 | <br>8 | 6 | 10 | SAMPLES COLLECTED BY            | RELINDESSED BY                  | Tolly    | Distr   |

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13 TRCH 91765 22632 GOLDIONS/RINGS DR INC RECIPIENT NAME

T. ROSINSON Comments \* 60 cc 57/2/2018 MAIL REPORT (COMPANY NAME) GEDFON SOLANA BOTH CA 92075 DIAMOND COOLER TEMPERATURE UPON RECEIPT DUPLICATE Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager CITY, STATE AND ZIPCODE SAMPLE'S CONDITION UPON RECEIPT ADDRESS 909-396-1455 CAOS1803-LG MAK BURKS 909-396-7662 909-396-1455 01981803-L6 11MKK BUILLS ON ON HOVE LABORATORY FOX AND WAY SW -793-0401 858-743-0404 432 N. CEDROS ANG LABORATORY CONTACT 0 % LABORATORY SERVICE ID S. S. Lillian CITY. STATE AND ZIPCODE 73 (S 3 NORAL X 7) (1) MSADEM CH-7/108 US NAVY SWDIT 8-77-8 DATE (SNO) JO 564-346-1453 Tuo To PRQUECT FAX LAB COORDINATOR'S FAX Partasand Ł 4, R 8/1/05 0705 NONE RECEWED BY PROJECT PHONE NUMBER 7/438 CLIEST COURIER AND AIR BILL NUMBER SULT. 0269 h/80 0836 9701 1004 MS LAR MABBY 909-396-7662 0752 2460 8580 927 380 tuen, LAB COORDINATOR'S PHONE Sm26-796-062 Sm128-17PA-057 SW18- VPE-060 500025-VPA-064 5m28-ND-058 5mJ6-VPH-063 5m28-170-059 SW35-YPI-OSE 5m26-7PF-061 4900 OM COLONGTON Sample Identifier Sm35-VPE-055 SAMPLES COLLECTED BY · KOBINSON J. LOSI NSON PROJECT NAME: #2

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RODELLCH GLOTSTDIMIOND BARCH 91765 22632 GOLDONSPRINGS DA T. ROSINSON DCC SY LINCO Comments MAIL REPORT (COMPANY NAME) GROFON COOLER TEMPERATURE UPON RECEIPT Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File, Yellow - Project Data Manager CITY, STATE AND ZIPCODE SAMPLE'S CONDITION UPON RECEIPT ADDRESS MARK BUCKE PROJECT LOCATION
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PR 13737JO 128 CORDINATOR'S PHONE | LAB COORDINATOR'S FAX | 909-396-7662 | 909-396-1455 | PROJECT LOCATION | PROJECT NUMBER \* of Contr  $\star$ Partaga de 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1456 RECEIVED BY A10 84% 145 NONB COURIER AND AIR BILL NUMBER. SUIT! 714-920-8438 CITY, STATE AND ZIPCODE 郊 123 turen, PROJECT PHONE NUMBER Sm25-191-066 5m25-495-067 5m25+17PB-065 ASCAR FATERAL Sample Identifier 4800 OAK GROWE DI T. ROBINSON · Robinson PHOJECT MARE # 2 GEOFON's LAB COORDINATOR SAMPLES COLLECTED BY PROJECT MANAGER PROJECT ADDRESS 2 00 σ

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22632 GOLDEN SPRINGS DR, SUITE 270
DIAMOND BAR CA 91765 - (909) 396-1455

## CHAIN-OF-CUSTODY RECORD

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4800 OAK GRONEDO UNADIONA CA 9/108 USNANY SWIDIN SOLAWA BEACH CA 92075 DIAMOND BARCA-91765 22632 GOLDEN SPAING DR GOTON INC \* 60 cc 5421106 BECHIEVENANE J. ROBINSON MAIL REPORT (COMPANY NAME) COOLER TEMPERATURE UPON RECEIPT PROJECT LOCATION
ANDURY SYSTION TOLING OY-4428.10 858-793-0401 858-793-0404 MARK BURKE 432 N. CEDROS AVE LABORATORY CONTACT d Costant 909-396-7662 909-396-1455 0081803-46 LABORATORY SERVICE ID CITY, STATE AND ZIPCODE 72 VI San Joo AS CAR FAHEON 409-396-7662 909-396-1453 THO TO WE NA LAB COORDINATOR'S FAX Day Served  $\overline{*}$ PROJECT FAX 412 8/27/3 0845 MENE CLIEÑT PHILIT ! 0955 1040 1102 471 25/ 6260 40% 4101 714-920-8438 3/8/2 they, LAB COORDINATOR'S PHONE CITY, STATE AND ZIPCODE SVW37-49B-086 SMJ37- ME-087 50~38-WF-084 Sm37- 4PH-088 SVW38-VPD-083 5m 38- MJ-085 Svn37-vPI-090 5m37- 704-089 SW37-175-09 Sample Identifier PROJECT CONTACT

T. KOKINSON DUPLICATE · KORINJSON PROJECT NAME OL # 2 2

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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COURIER AND AIR BILL NUMBER.

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# CHAIN-OF-CUSTODY RECORD

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22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7455

| MAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 | LABORATORY SERVICE ID LABORATORY CONTACT  LABORATORY SERVICE ID LABORATORY CONTACT | 50~ 909-396-7662 909-396-1455 GOBISO3-LG MARKBURKS | PROJECT LOCATION  PROJECT LOCATION  PROJECT HONE  LABORATORY FROM  LABORAT | PROJECT PHONE NUMBER  PROJECT FAX 7  1/4 - 9 > 0 - 8 4 2 8 | CITY. STATE AND ZIPCODE | PARTOWN CA 91108 US NAVY SUDIT SOLMUT BEACH CA 92075 | PROJECT MANAGER'S PROJECT MANAGER'S FAX | 1 909-346-1062 109-396-455 | Change Viola 100 Con | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1/2 8/2/6/0745 John 1/4 3 12 | 1 1 2080 1      | 68.0        |   | 5-VP6-102       | -1708-103       | 201.10 ABS-104 DOPLICATE. | X              |   |   | COLINER AND AIR BILL NUMBER. | O Na Opposition in | 8-19-5 10:15 Good | Charles Interior Interior (Tale to manage mish Amplication Demonstrate Colones Ciles Vollane Devises Manages |
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| DIAMOND BAR,   | GEOFON: LAB COORDINATOR  | J. KoKINSON  | PROJECT KANE: #2   | (40) 20  | PROJECT ADDRESS         | Collars DR   | _                                       | KSLAR PANTESON             | wa                   | Sample Identifier                     | 1 SAW 15-17016-699           | 2 SAWIS-YPC-100 | 101-101-101 | _ | 4 SYMIS-VPB-102 | 3 SMJ6- MBB-103 | 6 Smy 6 - VPB - 104       | 7 SMM6- YPD-10 | ∞ | 0 | SAMPLES COLLECTED BY         |                    |                   |  |

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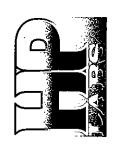
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|   |                                    |                                |                       |                                |                   |                  |                 |                 |                 |                 |                 |                   |   |   |    |                                 |                                 |              | <br> |   |
|---|------------------------------------|--------------------------------|-----------------------|--------------------------------|-------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|---|---|----|---------------------------------|---------------------------------|--------------|------|---|
| MAIL REPORT (COMPANY NAME)  (SEOFF) INC                       | RECIPIENT NAME SINSON              | LLG32 GOLDEN SARINGS DA        | DIMMOND 1946 CH 91765 |                                | Comments          | 1 60 cc 51/RINGE | DUPLICATÉ       |                 |                 |                 |                 |                   |   |   |    | COOLER TEMPERATURE UPON RECEIPT | SAMPLE'S CONDITION UPON RECEIPT |              |      | ject Data Manager   |
| GOSTORY SERVICE ID LABORATORY CONTACT MAIL REPORT (COMPANY IN | 94-442810 858-793-0401 858-793-040 | 432 N. CEDROS ME               | K                     |                                |                   | X                |                 |                 |                 |                 |                 |                   |   |   |    | COOLE                           |                                 | Page Cin     |      | Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager |
| 156/- 968   | PROJECT NUMBER                     | 1                              | US MANY SWIN          | 909-396-1455                   | V &)              | Nows 1 * 3 Now   |                 | 2               |                 |                 |                 |                   |   |   |    | BILL NUMBER,                    | RECEIVED BY DATE TIME           |              |      | (To be returned with Analytical Rep   |
| 909-396-7662 909-   | AN NURY SYS MONITORING             | 714-920-8438                   | MR ASTATE AND ZIPCODE | ł                              | PARC THERE        | - 418 8/28/3 OF  | 193   0820      | 7,80 7,60       | 995 0904        | 7760 960        | 8460 260        | 0/01 1 360-       |   |   |    | COURTER AND AIR BILL NUMBER     |                                 |              |      | istribution: White - Laboratory   |
| GEOEDN'S HAB COORDINATOR                                      | PROJECT NAME: #2                   | PROJECT CONTACT J. ROYS INSON) | PROJECT ADDRESS       | PROJECT MANAGER ASCHEL FAHEBEM | Sample Identifier | 1 Srw34-YPE-092  | 2 SNU34-17E-093 | 3 SM334-YPF-094 | 4 Srw39-YPA-095 | 5 Srw39-176-096 | 6 Sw 39-YVF-097 | 360-Id1-68 cm 5 1 | 8 | 6 | 01 | SAMPLES COLLECTED BY            | RELINOVISHED BY                 | The State of |      |   |

#### **APPENDIX B-3**

DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS

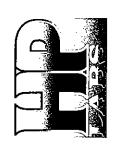


| DATE: 08/18/03                            | 701103 V 199113        | CIALLIAITIA      | 71-40      | CHORLY COLLECT. CONTENTIAL OALD DATEON (OPENING) OF 15 - 15 - 11 - 15 - 15 - 15 - 15 - 15 | 1000                       |       |
|---|------------------------|------------------|------------|---|----------------------------|-------|
| ממו מים ביונים                            | SOLILI SOURCE          |                  | ALIBRALIC  | TON (DNINELO) NO  |                            | 56-73 |
| HP Labs Project #GF081803-L6              | SUPPLY SOURCE:         | QUALITY CON      | TROL (CLO  | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774                             | OT #LSS-774                |       |
| LAB-6                                     | INSTRUMENT: AC         | SILENT 6850 GC   | / 5973 MAS | AGILENT 6850 GC / 5973 MASS SPECTROMETER  | 'n                         |       |
|   | OPENIN                 | OPENING STANDARD |            | 2ND SOURCE  | 2ND SOURCE (1ug/L) CLOSING | ING   |
| COMPOUND                                  | MASS                   | RESULT           | %DIFF      | MASS RE   | RESULT                     | %DIFF |
| CARBON TETRACHLORIDE                      | 20                     | 49.7             | 0.6%       | 1.0   | 1.23                       | 23.0% |
| CHLOROFORM                                | 20                     | 49.6             | 0.8%       | 1.0   | 1.29                       | 29.0% |
| 1,1-DICHLORO ETHANE                       | 20                     | 51.8             | 3.6%       | 1.0   | 1.32                       | 32.0% |
| 1,2-DICHLORO ETHANE                       | 20                     | 52.7             | 5.4%       | 1.0   | 1.30                       | 30.0% |
| 1,1-DICHLORO ETHENE                       | 20                     | 48.2             | 3.6%       | 1.0   | 1.14                       | 14.0% |
| CIS-1,2-DICHLORO ETHENE                   | 20                     | 49.0             | 2.0%       | 1.0   | 1.12                       | 12.0% |
| TRANS-1,2-DICHLORO ETHENE                 | 20                     | 48.8             | 2.4%       | 1.0   | 1.14                       | 14.0% |
| DICHLOROMETHANE                           | 20                     | 48.6             | 2.8%       | 1.0   | 1.24                       | 24.0% |
| TETRACHLORO ETHENE                        | 20                     | 49.2             | 1.6%       | 1.0   | 1.17                       | 17.0% |
| 1,1,1,2-TETRACHLORO ETHANE                | 20                     | 51.6             | 3.2%       | 1.0   | 1.32                       | 32.0% |
| 1,1,2,2-TETRACHLORO ETHANE                | 20                     | 51.3             | 2.6%       | 1.0   | 1.24                       | 24.0% |
| 1,1,1-TRICHLORO ETHANE                    | 20                     | 49.4             | 1.2%       | 1.0   | 1.21                       | 21.0% |
| 1,1,2-TRICHLORO ETHANE                    | 20                     | 49.7             | %9.0       | 1.0   | 1.17                       | 17.0% |
| TRICHLORO ETHENE                          | 20                     | 47.3             | 5.4%       | 1.0   | 1.00                       | 0.0%  |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)    | 50                     | 52.7             | 5.4%       | 1.0   | 1.28                       | 28.0% |
| BENZENE                                   | 20                     | 51.4             | 2.8%       | 1.0   | 1.28                       | 28.0% |
| CHLOROBENZENE                             | 20                     | 50.9             | 1.8%       | 1.0   | 1.16                       | 16.0% |
| ETHYLBENZENE                              | 20                     | 54.9             | 8.6        | 1.0   | 1.12                       | 12.0% |
| TOLUENE                                   | 20                     | 50.8             | 1.6%       | 1.0   | 1.25                       | 25.0% |
| m&p-XYLENES                               | 100                    | 114              | 14.3%      | 2.0   | 2.41                       | 20.5% |
| o-XYLENE                                  | 50                     | 54.7             | 9.4%       | 1.0   | 1.01                       | 1.0%  |
| ANALYSES PERFORMED ON-SITE IN CA DOHS MOR | 10BILE LABORATORY #156 | ±1561            |            |   |                            |       |



| DATE: 08/19/03                           | SUPPLY SOURCE:         | CONTINUING                  | CALIBRATIC        | SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPFI CO LOT #1 SS-773 | FI CO I OT #1 S            | \$5-773 |
|--|------------------------|-----------------------------|-------------------|--|----------------------------|---------|
| HP Labs Project #GF081803-L6             | SUPPLY SOURCE:         | : QUALITY CON               | TROL (CLC         | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #1.SS-774         | OT #LSS-774                | )       |
| LAB-6                                    | INSTRUMENT: AC         | AGILENT 6850 GC / 5973 MASS | 7 5973 MA         | SS SPECTROMETER  |                            |         |
|  | OPENIN                 | OPENING STANDARD            |                   |  | 2ND SOURCE (144/L) CLOSING | NG      |
| COMPOUND                                 | MASS                   | RESULT                      | %DIFF             | MASS RI  | RESULT                     | %DIFF   |
| CARBON TETRACHLORIDE                     | 50                     | 52.1                        | 4.2%              | 1.0  | 1.10                       | 10.0%   |
| CHLOROFORM                               | 20                     | 51.3                        | 2.6%              | 1.0  | 1.09                       | %0°6    |
| 1,1-DICHLORO ETHANE                      | 20                     | 52.9                        | 5.8%              | 1.0  | 1.13                       | 13.0%   |
| 1,2-DICHLORO ETHANE                      | 20                     | 53.8                        | 7.6%              | 1.0  | 1.06                       | %0.9    |
| 1,1-DICHLORO ETHENE                      | 20                     | 49.7                        | %9.0              | 1.0  | 0.99                       | 1.0%    |
| CIS-1,2-DICHLORO ETHENE                  | 20                     | 49.4                        | 1.2%              | 1.0  | 1.00                       | 0.0%    |
| TRANS-1,2-DICHLORO ETHENE                | 20                     | 52.1                        | 4.2%              | 1.0  | 1.02                       | 2.0%    |
| DICHLOROMETHANE                          | 20                     | 20.0                        | %0.0              | 1.0  | 1.07                       | 7.0%    |
| TETRACHLORO ETHENE                       | 20                     | 53.1                        | 6.2%              | 1.0  | 1.03                       | 3.0%    |
| 1,1,1,2-TETRACHLORO ETHANE               | 20                     | 55.5                        | 11.0%             | 1.0  | 1.16                       | 16.0%   |
| 1,1,2,2-TETRACHLORO ETHANE               | 20                     | 52.3                        | 4.6%              | 1.0  | 1.03                       | 3.0%    |
| 1,1,1-TRICHLORO ETHANE                   | 20                     | 50.9                        | 1.8%              | 1.0  | 1.04                       | 4.0%    |
| 1,1,2-TRICHLORO ETHANE                   | 20                     | 49.7                        | %9.0              | 1.0  | 1.00                       | %0.0    |
| TRICHLORO ETHENE                         | 20                     | 48.9                        | 2.2%              | 1.0  | 0.88                       | 12.0%   |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)   | 20                     | 56.3                        | 12.6%             | 1.0  | 1.07                       | 7.0%    |
| BENZENE                                  | 20                     | 53.8                        | %9 <sup>.</sup> 2 | 1.0  | 1.20                       | 20.0%   |
| CHLOROBENZENE                            | 20                     | 52.1                        | 4.2%              | 1.0  | 1.05                       | 2.0%    |
| ETHYLBENZENE                             | 20                     | 54.1                        | 8.2%              | 1.0  | 1.00                       | %0.0    |
| TOLUENE                                  | 20                     | 50,3                        | %9.0              | 1.0  | 1.11                       | 11.0%   |
| m&p-XYLENES                              | 100                    | 110                         | 9.5%              | 2.0  | 2.15                       | 7.5%    |
| 0-XYLENE                                 | 50                     | 53.5                        | 7.0%              | 1.0  | 0.89                       | 11.0%   |
| ANALYSES PERFORMED ON-SITE IN CA DOHS MO | OBILE LABORATORY #1561 | ‡1561                       |                   |  |                            |         |

ANALYSES PERFORMED BY: MARK BURKE DATA REVIEWED BY: TAMARA DAVIS



| DATE: 08/20/03                            | SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPFI CO I OT #1 SS-773 | CONTINUING       | CALIBRATION   | (OPENING) SUF                            | PELCO LOT #1               | 58-773           |
|---|---|------------------|---------------|--|----------------------------|------------------|
| HP Labs Project #GF081803-L6              | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774           | QUALITY CON      | TROL (CLOSI   | NG) SUPELCO L                            | OT #LSS-774                | )<br>-<br>-<br>) |
| LAB-6                                     | INSTRUMENT: AC  | SILENT 6850 GC   | : / 5973 MASS | AGILENT 6850 GC / 5973 MASS SPECTROMETER |                            |                  |
|   | OPENIN  | OPENING STANDARD |               | 2ND SOURCE                               | 2ND SOURCE (1ug/L) CLOSING | ING              |
| COMPOUND                                  | MASS  | RESULT           | %DIFF         | MASS R                                   | RESULT                     | %DIFF            |
| CARBON TETRACHLORIDE                      | 20  | 51.9             | 3.8%          | 1.0                                      | 1.17                       | 17.0%            |
| CHLOROFORM                                | 20  | 51.3             | 2.6%          | 1.0                                      | 1.15                       | 15.0%            |
| 1,1-DICHLORO ETHANE                       | 20  | 53.2             | 6.4%          | 1.0                                      | 1.20                       | 20.0%            |
| 1,2-DICHLORO ETHANE                       | 20  | 52.1             | 4.2%          | 1.0                                      | 1.14                       | 14.0%            |
| 1,1-DICHLORO ETHENE                       | 20  | 50.6             | 1.2%          | 1.0                                      | 1.02                       | 2.0%             |
| CIS-1,2-DICHLORO ETHENE                   | 20  | 48.0             | 4.0%          | 1.0                                      | 1.08                       | 8.0%             |
| TRANS-1,2-DICHLORO ETHENE                 | 20  | 52.3             | 4.6%          | 1.0                                      | 1.07                       | 7.0%             |
| DICHLOROMETHANE                           | 20  | 20.0             | 0.0%          | 1.0                                      | 1.20                       | 20.0%            |
| TETRACHLORO ETHENE                        | 20  | 52.0             | 4.0%          | 1.0                                      | 1.16                       | 16.0%            |
| 1,1,1,2-TETRACHLORO ETHANE                | 20  | 55.2             | 10.4%         | 1.0                                      | 1.23                       | 23.0%            |
| 1,1,2,2-TETRACHLORO ETHANE                | 20  | 50.6             | 1.2%          | 1.0                                      | 1.08                       | 8.0%             |
| 1,1,1-TRICHLORO ETHANE                    | 20  | 50.3             | %9:0          | 1.0                                      | 1.13                       | 13.0%            |
| 1,1,2-TRICHLORO ETHANE                    | 20  | 49.6             | %8.0          | 1.0                                      | 1.00                       | 0.0%             |
| TRICHLORO ETHENE                          | 20  | 48.2             | 3.6%          | 1.0                                      | 0.98                       | 2.0%             |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)    | 20  | 57.3             | 14.6%         | 1.0                                      | 1.11                       | 11.0%            |
| BENZENE                                   | 20  | 54.1             | 8.2%          | 1.0                                      | 1.24                       | 24.0%            |
| CHLOROBENZENE                             | 20  | 50.2             | 0.4%          | 1.0                                      | 1.12                       | 12.0%            |
| ETHYLBENZENE                              | 20  | 52.9             | 2.8%          | 1.0                                      | 1.15                       | 15.0%            |
| TOLUENE                                   | 20  | 52.4             | 4.8%          | 1.0                                      | 1.35                       | 35.0%            |
| m&p-XYLENES                               | 100   | 109              | %0.6          | 2.0                                      | 2.49                       | 24.5%            |
| 0-XYLENE                                  | 20  | 52.7             | 5.4%          | 1.0                                      | 1.04                       | 4.0%             |
| ANALYSES PERFORMED ON-SITE IN CA DOHS MOR | IOBILE LABORATORY #1561   | <b>#1561</b>     |               |  |                            |                  |

ANALYSES PERFORMED BY: MARK BURKE DATA REVIEWED BY: TAMARA DAVIS



| DATE: 08/21/03   | SUPPLY SOURCE:   |                  | CALIBRATION                 | CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773                             | PELCO LOT #L               | SS-773 |
|--|--|------------------|-----------------------------|---|----------------------------|--------|
| HP Labs Project #GF081803-L6<br>LAB-6                        | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER | QUALITY CON      | ITROL (CLOSI<br>275973 MASS | CE: QUALITY CONTROL (CLOSING) SUPELCO LO AGILENT 6850 GC / 5973 MASS SPECTROMETER | OT #LSS-774                |        |
| 9 9 9 9  | OPENIN   | OPENING STANDARD |                             | 2ND SOURCE  | 2ND SOURCE (1ug/L) CLOSING | ING    |
| COMPOUND   | MASS   | RESULT           | %DIFF                       | MASS  | RESULT                     | %DIFF  |
| CARBON TETRACHLORIDE   | 20   | 51.2             | 2.4%                        | 1.0   | 1.08                       | 8.0%   |
| CHLOROFORM   | 90   | 50.0             | %0:0                        | 1.0   | 1.12                       | 12.0%  |
| 1,1-DICHLORO ETHANE  | 20   | 52.2             | 4.4%                        | 1.0   | 1.17                       | 17.0%  |
| 1,2-DICHLORO ETHANE  | 20   | 52.1             | 4.2%                        | 1.0   | 1.08                       | 8.0%   |
| 1,1-DICHLORO ETHENE  | 20   | 50.0             | %0:0                        | 1.0   | 0.99                       | 1.0%   |
| CIS-1,2-DICHLORO ETHENE                                      | 90   | 48.0             | 4.0%                        | 1.0   | 96.0                       | 4.0%   |
| TRANS-1,2-DICHLORO ETHENE                                    | 20   | 50.2             | 0.4%                        | 1.0   | 1.03                       | 3.0%   |
| DICHLOROMETHANE  | 20   | 48.6             | 2.8%                        | 1.0   | 1.11                       | 11.0%  |
| TETRACHLORO ETHENE   | 20   | 52.9             | 2.8%                        | 1.0   | 1.05                       | 2.0%   |
| 1,1,1,2-TETRACHLORO ETHANE                                   | 20   | 54.0             | 8.0%                        | 1.0   | 1.25                       | 25.0%  |
| 1,1,2,2-TETRACHLORO ETHANE                                   | 20   | 20.7             | 1.4%                        | 1.0   | 1.07                       | 7.0%   |
| 1,1,1-TRICHLORO ETHANE                                       | 20   | 50.2             | 0.4%                        | 1.0   | 1.11                       | 11.0%  |
| 1,1,2-TRICHLORO ETHANE                                       | 20   | 47.2             | 2.6%                        | 1.0   | 1.05                       | 2.0%   |
| TRICHLORO ETHENE   | 20   | 47.9             | 4.2%                        | 1.0   | 0.85                       | 15.0%  |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)                       | 20   | 57.0             | 14.0%                       | 1.0   | 1.20                       | 20.0%  |
| BENZENE  | 20   | 52.2             | 4.4%                        | 1.0   | 1.12                       | 12.0%  |
| CHLOROBENZENE  | 20   | 51.2             | 2.4%                        | 1.0   | 1.06                       | 6.0%   |
| ETHYLBENZENE   | 20   | 53.2             | 6.4%                        | 1.0   | 0.99                       | 1.0%   |
| TOLUENE  | 20   | 50.0             | 0.0%                        | 1.0   | 1.01                       | 1.0%   |
| m&p-XYLENES  | 100  | 109              | 80.6                        | 2.0   | 2.09                       | 4.5%   |
| o-XYLENE   | 50   | 52.7             | 5.4%                        | 1.0   | 0.86                       | 14.0%  |
| ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #156 | 3II E I ABORATORY #  | 11561            |                             |   |                            |        |



| DATE: 08/22/03                         | SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SLIPEL COLOT #1 SS-773 | CONTINING        | CAI IRRATIC  | IS (SININE) NO                           | IPEL CO I OT #I                | 56.773 |
|--|--|------------------|--------------|--|--------------------------------|--------|
| HP Labs Project #GF081803-L6           | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774          | QUALITY CON      | TROL (CLO    | SING) SUPELCO                            | JI ELGO LOT #L<br>LOT #LSS-774 |        |
| LAB-6                                  | INSTRUMENT: A  | GILENT 6850 GC   | 2 / 5973 MAS | AGILENT 6850 GC / 5973 MASS SPECTROMETER | ER :                           |        |
|  | OPENII   | OPENING STANDARD |              | 2ND SOUR                                 | 2ND SOURCE (1ug/L) CLOSING     | ING    |
| COMPOUND                               | MASS   | RESULT           | %DIFF        | MASS                                     | RESULT                         | %DIFF  |
| CARBON TETRACHLORIDE                   | 50   | 52.6             | 5.2%         | 1.0                                      | 1.02                           | 2.0%   |
| CHLOROFORM                             | 20   | 52.0             | 4.0%         | 1.0                                      | 1.04                           | 4.0%   |
| 1,1-DICHLORO ETHANE                    | 20   | 55.0             | 10.0%        | 1.0                                      | 1.08                           | 8.0%   |
| 1,2-DICHLORO ETHANE                    | 20   | 54.8             | 9.6%         | 1.0                                      | 1.07                           | 7.0%   |
| 1,1-DICHLORO ETHENE                    | 20   | 49.7             | %9.0         | 1.0                                      | 0.95                           | 2.0%   |
| CIS-1,2-DICHLORO ETHENE                | 20   | 48.2             | 3.6%         | 1.0                                      | 0.96                           | 4.0%   |
| TRANS-1,2-DICHLORO ETHENE              | 20   | 52.4             | 4.8%         | 1.0                                      | 0.96                           | 4.0%   |
| DICHLOROMETHANE                        | 20   | 50.3             | %9.0         | 1.0                                      | 1.07                           | 7.0%   |
| TETRACHLORO ETHENE                     | 20   | 53.1             | 6.2%         | 1.0                                      | 1.01                           | 1.0%   |
| 1,1,1,2-TETRACHLORO ETHANE             | 20   | 9'.29            | 15.2%        | 1.0                                      | 1.16                           | 16.0%  |
| 1,1,2,2-TETRACHLORO ETHANE             | 20   | 51.6             | 3.2%         | 1.0                                      | 1.13                           | 13.0%  |
| 1,1,1-TRICHLORO ETHANE                 | 20   | 51.2             | 2.4%         | 1.0                                      | 1.00                           | 0.0%   |
| 1,1,2-TRICHLORO ETHANE                 | 20   | 50.2             | 0.4%         | 1.0                                      | 1.00                           | %0.0   |
| TRICHLORO ETHENE                       | 20   | 46.6             | %8.9         | 1.0                                      | 0.88                           | 12.0%  |
| DICHLORODIFLUOROMETHANE (FR12)         | 20   | 49.2             | 1.6%         | 1.0                                      | 1.13                           | 13.0%  |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | 50   | 6'09             | 21.8%        | 1.0                                      | 1.10                           | 10.0%  |
| BENZENE                                | 20   | 54.4             | 8.8%         | 1.0                                      | 1.09                           | 80.6   |
| CHLOROBENZENE                          | 20   | 52.7             | 5.4%         | 1.0                                      | 1.06                           | 80.9   |
| ETHYLBENZENE                           | 20   | 54.8             | 9.6%         | 1.0                                      | 0.97                           | 3.0%   |
| TOLUENE                                | 20   | 48.6             | 2.8%         | 1.0                                      | 1.06                           | 6.0%   |
| m&p-XYLENES                            | 100  | 110              | 10.0%        | 2.0                                      | 2.06                           | 3.0%   |
| o-XYLENE                               | 20   | 53.2             | 6.4%         | 1.0                                      | 0.88                           | 12.0%  |



| DATE: 08/25/03                                 | SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773   | CONTINUING       | CALIBRATION                 | (OPENING) S              | UPELCO LOT #L              | SS-773 |
|--|--|------------------|-----------------------------|--------------------------|----------------------------|--------|
| HP Labs Project #GF081803-L6<br>LAB-6          | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER | : QUALITY CON    | TROL (CLOSII<br>7/5973 MASS | NG) SUPELÓC<br>SPECTROME | LOT #LSS-774<br>TER        |        |
|  | OPENII   | OPENING STANDARD |                             | 2ND SOUR                 | 2ND SOURCE (1ug/L) CLOSING | SING   |
| COMPOUND                                       | MASS   | RESULT           | %DIFF                       | MASS                     | RESULT                     | %DIFF  |
| CARBON TETRACHLORIDE                           | 20   | 52.0             | 4.0%                        | 1.0                      | 1.17                       | 17.0%  |
| CHLOROFORM                                     | 20   | 49.7             | %9.0                        | 1.0                      | 1.12                       | 12.0%  |
| 1,1-DICHLORO ETHANE                            | 20   | 52.1             | 4.2%                        | 1.0                      | 1.18                       | 18.0%  |
| 1,2-DICHLORO ETHANE                            | 20   | 51.3             | 2.6%                        | 1.0                      | 1.13                       | 13.0%  |
| 1,1-DICHLORO ETHENE                            | 20   | 50.6             | 1.2%                        | 1.0                      | 1.04                       | 4.0%   |
| CIS-1,2-DICHLORO ETHENE                        | 20   | 50.4             | %8.0                        | 1.0                      | 0.96                       | 4.0%   |
| TRANS-1,2-DICHLORO ETHENE                      | 20   | 51.5             | 3.0%                        | 1.0                      | 1.05                       | 2.0%   |
| DICHLOROMETHANE                                | 20   | 49.9             | 0.2%                        | 1.0                      | 1.24                       | 24.0%  |
| TETRACHLORO ETHENE                             | 20   | 51.8             | 3.6%                        | 1.0                      | 1.09                       | 9.0%   |
| 1,1,1,2-TETRACHLORO ETHANE                     | 20   | 51.6             | 3.2%                        | 1.0                      | 1.22                       | 22.0%  |
| 1,1,2,2-TETRACHLORO ETHANE                     | 20   | 47.0             | %0.9                        | 1.0                      | 0.95                       | 2.0%   |
| 1,1,1-TRICHLORO ETHANE                         | 20   | 20.7             | 1.4%                        | 1.0                      | 1.09                       | %0.6   |
| 1,1,2-TRICHLORO ETHANE                         | 20   | 47.1             | 2.8%                        | 1.0                      | 0.95                       | 2.0%   |
| TRICHLORO ETHENE                               | 20   | 48.1             | 3.8%                        | 1.0                      | 0.98                       | 2.0%   |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)         | 50   | 57.3             | 14.6%                       | 1.0                      | 1.12                       | 12.0%  |
| BENZENE  | 20   | 54.9             | %8'6                        | 1.0                      | 1.27                       | 27.0%  |
| CHLOROBENZENE                                  | 20   | 49.4             | 1.2%                        | 1.0                      | 1.11                       | 11.0%  |
| ETHYLBENZENE                                   | 20   | 55.2             | 10.4%                       | 1.0                      | 1.13                       | 13.0%  |
| TOLUENE  | 20   | 55.8             | 11.6%                       | 1.0                      | 1.44                       | 44.0%  |
| m&p-XYLENES                                    | 100  | 112              | 12.0%                       | 2.0                      | 2.61                       | 30.5%  |
| o-XYLENE                                       | 50   | 55.8             | 11.6%                       | 1.0                      | 1.10                       | 10.0%  |
| ANALYSES PERFORMED ON SITE IN CA DOHS MOBILE I | BII F I ABORATORY #156   | #1561            |                             |                          |                            |        |



| DATE: 08/27/03                         | SI IDS V IDGI IS | - 11             | NITAGE IAC | CONTINI IING CAT IBBATION (OBENING) STIBEL CO LOT #1 66 773   | # TO 1 00 13  | 277    |
|--|------------------|------------------|------------|---|---|--------|
| HP Labs Project #GF081803-L6           | SUPPLY SOURCE    |                  | TROL (CLO  | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT#1 SS-774 | T# SS-774   | 2 - 00 |
| LAB-6                                  | INSTRUMENT: A    | GILENT 6850 GC   | / 5973 MAS | AGILENT 6850 GC / 5973 MASS SPECTROMETER                      | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |        |
|  | OPENI            | OPENING STANDARD |            | 2ND SOURCE  | 2ND SOURCE (1ug/L) CLOSING  | ING    |
| COMPOUND                               | MASS             | RESULT           | %DIFF      | MASS RE   | RESULT  | %DIFF  |
| CARBON TETRACHLORIDE                   | 20               | 52.0             | 4.0%       | 1.0   | 1.10  | 10.0%  |
| CHLOROFORM                             | 20               | 50.6             | 1.2%       | 1.0   | 1.12  | 12.0%  |
| 1,1-DICHLORO ETHANE                    | 20               | 53.4             | 6.8%       | 1.0   | 1.18  | 18.0%  |
| 1,2-DICHLORO ETHANE                    | 20               | 54.0             | 8.0%       | 1.0   | 1.10  | 10.0%  |
| 1,1-DICHLORO ETHENE                    | 20               | 51.8             | 3.6%       | 1.0   | 1.01  | 1.0%   |
| CIS-1,2-DICHLORO ETHENE                | 20               | 51.2             | 2.4%       | 1.0   | 1.02  | 2.0%   |
| TRANS-1,2-DICHLORO ETHENE              | 20               | 52.0             | 4.0%       | 1.0   | 1.01  | 1.0%   |
| DICHLOROMETHANE                        | 20               | 51.4             | 2.8%       | 1.0   | 1.22  | 22.0%  |
| TETRACHLORO ETHENE                     | 20               | 51.3             | 2.6%       | 1.0   | 1.03  | 3.0%   |
| 1,1,1,2-TETRACHLORO ETHANE             | 20               | 53.0             | 6.0%       | 1.0   | 1.26  | 26.0%  |
| 1,1,2,2-TETRACHLORO ETHANE             | 20               | 50.1             | 0.2%       | 1.0   | 1.18  | 18.0%  |
| 1,1,1-TRICHLORO ETHANE                 | 20               | 51.0             | 2.0%       | 1.0   | 1.05  | 2.0%   |
| 1,1,2-TRICHLORO ETHANE                 | 20               | 48.0             | 4.0%       | 1.0   | 1.04  | 4.0%   |
| TRICHLORO ETHENE                       | 20               | 48.0             | 4.0%       | 1.0   | 0.82  | 18.0%  |
| TRICHLOROFLUOROMETHANE (FR11)          | 20               | 62.0             | 24.0%      | 1.0   | 1.60  | %0.09  |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | 20               | 57.1             | 14.2%      | 1.0   | 1.19  | 19.0%  |
| BENZENE                                | 20               | 52.5             | 2.0%       | 1.0   | 1.15  | 15.0%  |
| CHLOROBENZENE                          | 20               | 50.7             | 1.4%       | 1.0   | 1.08  | 8.0%   |
| ETHYLBENZENE                           | 20               | 53.5             | 7.0%       | 1.0   | 0.97  | 3.0%   |
| TOLUENE                                | 20               | 50.9             | 1.8%       | 1.0   | 1.13  | 13.0%  |
| m&p-XYLENES                            | 100              | 112              | 12.0%      | 2.0   | 2.01  | 0.5%   |
| o-XYLENE                               | 50               | 53.9             | 7.8%       | 1.0   | 0.83  | 17.0%  |
|  |                  |                  |            |   |   |        |



| DATE: 08/28/03                         | SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPFI CO I OT #1 SS-773 | CONTINUING       | CALIBRATION   | A (OPENING) SI                           | IPFI CO I OT #I            | 82-773      |
|--|---|------------------|---------------|--|----------------------------|-------------|
| HP Labs Project #GF081803-L6           | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774           | QUALITY CON      | ITROL (CLOS   | ING) SUPELCO                             | LOT #LSS-774               | )<br>-<br>- |
| LAB-6                                  | INSTRUMENT: AG  | SILENT 6850 GC   | : / 5973 MASS | AGILENT 6850 GC / 5973 MASS SPECTROMETER | ËR                         |             |
|  | OPENIN  | OPENING STANDARD |               | 2ND SOUR                                 | 2ND SOURCE (1ug/L) CLOSING | SING        |
| COMPOUND                               | MASS  | RESULT           | %DIFF         | MASS                                     | RESULT                     | %DIFF       |
| CARBON TETRACHLORIDE                   | 20  | 51.9             | 3.8%          | 1.0                                      | 1.05                       | 2.0%        |
| CHLOROFORM                             | 20  | 49.9             | 0.2%          | 1.0                                      | 1.03                       | 3.0%        |
| 1,1-DICHLORO ETHANE                    | 20  | 53.1             | 6.2%          | 1.0                                      | 1.10                       | 10.0%       |
| 1,2-DICHLORO ETHANE                    | 20  | 52.9             | 2.8%          | 1.0                                      | 1.03                       | 3.0%        |
| 1,1-DICHLORO ETHENE                    | 20  | 49.1             | 1.8%          | 1.0                                      | 1.01                       | 1.0%        |
| CIS-1,2-DICHLORO ETHENE                | 20  | 48.1             | 3.8%          | 1.0                                      | 0.95                       | 2.0%        |
| TRANS-1,2-DICHLORO ETHENE              | 20  | 51.6             | 3.2%          | 1.0                                      | 1.01                       | 1.0%        |
| DICHLOROMETHANE                        | 20  | 20.0             | 0.0%          | 1.0                                      | 1.17                       | 17.0%       |
| TETRACHLORO ETHENE                     | 20  | 50.3             | 0.6%          | 1.0                                      | 1.05                       | 2.0%        |
| 1,1,1,2-TETRACHLORO ETHANE             | 20  | 52.5             | 2.0%          | 1.0                                      | 1.15                       | 15.0%       |
| 1,1,2,2-TETRACHLORO ETHANE             | 20  | 49.3             | 1.4%          | 1.0                                      | 1.12                       | 12.0%       |
| 1,1,1-TRICHLORO ETHANE                 | 20  | 50.6             | 1.2%          | 1.0                                      | 1.04                       | 4.0%        |
| 1,1,2-TRICHLORO ETHANE                 | 20  | 49.1             | 1.8%          | 1.0                                      | 0.98                       | 2.0%        |
| TRICHLORO ETHENE                       | 20  | 46.2             | 7.6%          | 1.0                                      | 0.85                       | 15.0%       |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | 50  | 55.5             | 11.0%         | 1.0                                      | 1.12                       | 12.0%       |
| BENZENE                                | 20  | 54.2             | 8.4%          | 1.0                                      | 1.08                       | 8.0%        |
| CHLOROBENZENE                          | 20  | 50.4             | 0.8%          | 1.0                                      | 1.04                       | 4.0%        |
| ETHYLBENZENE                           | 20  | 53.6             | 7.2%          | 1.0                                      | 0.94                       | 6.0%        |
| TOLUENE                                | 20  | 53.7             | 7.4%          | 1.0                                      | 1.15                       | 15.0%       |
| m&p-XYLENES                            | 100   | 113              | 13.0%         | 2.0                                      | 1,99                       | 0.5%        |
| o-XYLENE                               | 20  | 54.0             | 8.0%          | 1.0                                      | 0.85                       | 15.0%       |
|  | 1300440004101100  | 7 (1)            |               |  |                            |             |

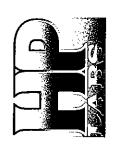


| DATE: 08/29/03                           | SUPPLY SOURCE           | : CONTINUING     | CALIBRATION        | SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773 | ELCO LOT #L                | SS-773 |
|--|-------------------------|------------------|--------------------|--|----------------------------|--------|
| HP Labs Project #GF081803-L6             | SUPPLY SOURCE           | :: QUALITY CON   | <b>ITROL</b> (CLOS | SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774        | DT #LSS-774                |        |
| LAB-6                                    | INSTRUMENT: A           | GILENT 6850 GC   | : / 5973 MASS      | AGILENT 6850 GC / 5973 MASS SPECTROMETER                             | 2                          |        |
|  | OPEN                    | OPENING STANDARD |                    | 2ND SOURCE   | 2ND SOURCE (1ug/L) CLOSING | NG     |
| COMPOUND                                 | MASS                    | RESULT           | %DIFF              | MASS RE  | RESULT                     | %DIFF  |
| CARBON TETRACHLORIDE                     | 90                      | 49.2             | 1.6%               | 1.0  | 1.11                       | 11.0%  |
| CHLOROFORM                               | 20                      | 49.1             | 1.8%               | 1.0  | 1.10                       | 10.0%  |
| 1,1-DICHLORO ETHANE                      | 20                      | 51.4             | 2.8%               | 1.0  | 1.14                       | 14.0%  |
| 1,2-DICHLORO ETHANE                      | 20                      | 52.2             | 4.4%               | 1.0  | 1.09                       | %0.6   |
| 1,1-DICHLORO ETHENE                      | 20                      | 46.2             | 7.6%               | 1.0  | 96.0                       | 4.0%   |
| CIS-1,2-DICHLORO ETHENE                  | 20                      | 47.2             | 5.6%               | 1.0  | 96'0                       | 4.0%   |
| TRANS-1,2-DICHLORO ETHENE                | 20                      | 48.8             | 2.4%               | 1.0  | 1.02                       | 2.0%   |
| DICHLOROMETHANE                          | 20                      | 49.4             | 1.2%               | 1.0  | 1.15                       | 15.0%  |
| TETRACHLORO ETHENE                       | 20                      | 49.6             | 0.8%               | 1.0  | 1.02                       | 2.0%   |
| 1,1,1,2-TETRACHLORO ETHANE               | 20                      | 53.5             | 7.0%               | 1.0  | 1.18                       | 18.0%  |
| 1,1,2,2-TETRACHLORO ETHANE               | 20                      | 47.3             | 5.4%               | 1.0  | 1.09                       | %0.6   |
| 1,1,1-TRICHLORO ETHANE                   | 20                      | 48.8             | 2.4%               | 1.0  | 1.07                       | 7.0%   |
| 1,1,2-TRICHLORO ETHANE                   | 20                      | 45.9             | 8.2%               | 1.0  | 1.00                       | %0.0   |
| TRICHLORO ETHENE                         | 20                      | 44.4             | 11.2%              | 1.0  | 0.83                       | 17.0%  |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)   | 20                      | 56.2             | 12.4%              | 1.0  | 1.21                       | 21.0%  |
| BENZENE                                  | 20                      | 51.1             | 2.2%               | 1.0  | 1.18                       | 18.0%  |
| CHLOROBENZENE                            | 20                      | 49.6             | 0.8%               | 1.0  | 1.04                       | 4.0%   |
| ETHYLBENZENE                             | 20                      | 50.6             | 1.2%               | 1.0  | 1.00                       | %0.0   |
| TOLUENE                                  | 20                      | 46.7             | 9.9%               | 1.0  | 1.23                       | 23.0%  |
| m&p-XYLENES                              | 100                     | 102              | 2.0%               | 2.0  | 2.11                       | 5.5%   |
| 0-XYLENE                                 | 20                      | 49.5             | 1.0%               | 1.0  | 0.84                       | 16.0%  |
| ANALYSES PERFORMED ON-SITE IN CA DOHS MO | IOBILE LABORATORY #1561 | #1561            |                    | !<br>!   |                            |        |

ANALYSES PERFORMED BY: MARK BURKE DATA REVIEWED BY: TAMARA DAVIS



| DATE: 08/18/03   | CAI IRRATION    | CAI IRRATION VERIEICATION | NO                                   |  |
|--|-----------------|---------------------------|--------------------------------------|--|
| HP Labs Project #GF081803-1 6  | SI PPI V SOL    | RCF. SCIPEL               | SUPPLY SOURCE: SUPELION OT #1 SS-773 |  |
| Lab 6  | INSTRUMENT:     | r. AGILENT                | 3850 GC / 5973 M                     | AGILENT 6850 GC / 5973 MASS SPECTROMETER |
|  |                 | S                         | CONTINUING STANDARD                  | ARD                                      |
| COMPOUND   | MASS            | R                         | RESULT                               | %DIFF                                    |
| CARBON TETRACHLORIDE   | 20              | 7.7                       | 50.3                                 | %9.0                                     |
| CHLOROFORM   | 20              | 7.1                       | 50.4                                 | 0.8%                                     |
| 1,1-DICHLORO ETHANE  | 20              | 5.7                       | 52.3                                 | 4.6%                                     |
| 1,2-DICHLORO ETHANE  | 20              | 8.0                       | 53.6                                 | 7.2%                                     |
| 1,1-DICHLORO ETHENE  | 20              | 4.1                       | 47.3                                 | 5.4%                                     |
| CIS-1,2-DICHLORO ETHENE  | 20              | 6.5                       | 48.7                                 | 2.6%                                     |
| TRANS-1,2-DICHLORO ETHENE  | 20              | 5.1                       | 50.6                                 | 1.2%                                     |
| DICHLOROMETHANE  | 20              | 4.8                       | 50.1                                 | 0.2%                                     |
| TETRACHLORO ETHENE   | 20              | 12.9                      | 50,0                                 | %0:0                                     |
| 1,1,1,2-TETRACHLORO ETHANE   | 20              | 15,2                      | 53.8                                 | 7.6%                                     |
| ₹  | 20              | 18.3                      | 51.7                                 | 3.4%                                     |
| 1,1,1-TRICHLORO ETHANE   | 20              | 7.4                       | 48.7                                 | 2.6%                                     |
| 1,1,2-TRICHLORO ETHANE   | 20              | 12.6                      | 49.4                                 | 1.2%                                     |
| TRICHLORO ETHENE   | 20              | 9.1                       | 43.9                                 | 12.2%                                    |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)                                       | 20              | 4.1                       | 56.4                                 | 12.8%                                    |
| BENZENE  | 20              | 7.9                       | 52.8                                 | 5.6%                                     |
| CHLOROBENZENE  | 20              | 14.9                      | 50.5                                 | 1.0%                                     |
| ETHYLBENZENE   | 20              | 15.2                      | 51.9                                 | 3.8%                                     |
| TOLUENE  | 20              | 11.6                      | 49.3                                 | 1.4%                                     |
| m&p-XYLENES  | 100             | 15.5                      | 106                                  | 5.9%                                     |
| o-XYLENE   | 20              | 16.5                      | 50.9                                 | 1.8%                                     |
| ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE I ABORATORY (CERT #1561) | IFD MORII F 1 4 | RORATORY                  | (CERT #1561)                         |  |



| DATE: 08/19/03  | CALIBRATION  | CALIBRATION VERIFICATION | Z                                   |  |
|---|--------------|--------------------------|-------------------------------------|--|
| HP Labs Project #GF081803-L6  | SUPPLY SOU   | RCE: SUPELC              | SUPPLY SOURCE: SUPELCO LOT #LSS-773 |  |
| Lab 6   | INSTRUMENT   |                          | 350 GC / 5973 MA                    | AGILENT 6850 GC / 5973 MASS SPECTROMETER |
|   |              | CONT                     | CONTINUING STANDARD                 | \RD                                      |
| COMPOUND  | MASS         | RT                       | RESULT                              | %DIFF                                    |
| CARBON TETRACHLORIDE  | 90           | 7.7                      | 53.6                                | 7.2%                                     |
| CHLOROFORM  | 20           | 7.1                      | 53.9                                | 7.8%                                     |
| 1,1-DICHLORO ETHANE   | 20           | 5.7                      | 56.2                                | 12.4%                                    |
| 1,2-DICHLORO ETHANE   | 20           | 8.0                      | 55.8                                | 11.6%                                    |
| 1,1-DICHLORO ETHENE   | 20           | 4.1                      | 51.2                                | 2.4%                                     |
| CIS-1,2-DICHLORO ETHENE   | 20           | 6.5                      | 50.1                                | 0.2%                                     |
| TRANS-1,2-DICHLORO ETHENE   | 20           | 5.1                      | 53.6                                | 7.2%                                     |
| DICHLOROMETHANE   | 20           | 4.8                      | 53.3                                | %9.9                                     |
| TETRACHLORO ETHENE  | 20           | 12.9                     | 52.7                                | 5.4%                                     |
| 1,1,1,2-TETRACHLORO ETHANE  | 20           | 15.2                     | 57.4                                | 14.8%                                    |
| 1,1,2,2-TETRACHLORO ETHANE  | 20           | 18.3                     | 48.5                                | 3.0%                                     |
| 1,1,1-TRICHLORO ETHANE  | 20           | 7.4                      | 52.2                                | 4.4%                                     |
| 1,1,2-TRICHLORO ETHANE  | 20           | 12.6                     | 51.7                                | 3.4%                                     |
| TRICHLORO ETHENE  | 20           | 9.1                      | 47.8                                | 4.4%                                     |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)                                      | 50           | 4.1                      | 62.1                                | 24.2%                                    |
| BENZENE   | 20           | 7.9                      | 56.7                                | 13.4%                                    |
| CHLOROBENZENE   | 20           | 14.9                     | 53.2                                | 6.4%                                     |
| ETHYLBENZENE  | 20           | 15.2                     | 55.6                                | 11.2%                                    |
| TOLUENE   | 20           | 11.6                     | 50.7                                | 1.4%                                     |
| m&p-XYLENES   | 100          | 15.5                     | 118                                 | 18.0%                                    |
| o-XYLENE  | 50           | 16.5                     | 54.9                                | 9.8%                                     |
| ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE I ABORATORY (CERT #156) | IFD MOBILE 1 | N VAUTABOR               | FDT #1561)                          |  |



| DATE: 08/20/03   | CALIBRATIO  | CALIBRATION VERIFICATION | Z                                   |  | 21 |
|--|-------------|--------------------------|-------------------------------------|--|----|
| HP Labs Project #GF081803-L6   | SUPPLY SOU  | JRCE: SUPELC             | SUPPLY SOURCE: SUPELCO LOT #LSS-773 |  |    |
| Lab 6  | INSTRUMENT: |                          | 350 GC / 5973 MA                    | AGILENT 6850 GC / 5973 MASS SPECTROMETER |    |
|  |             | CONT                     | CONTINUING STANDARD                 | RD                                       |    |
| COMPOUND   | MASS        | R                        | RESULT                              | %DIFF                                    |    |
| CARBON TETRACHLORIDE   | 20          | 7.7                      | 50.9                                | 1.8%                                     |    |
| CHLOROFORM   | 20          | 7.1                      | 50.2                                | 0.4%                                     |    |
| 1,1-DICHLORO ETHANE  | 20          | 5.7                      | 51.7                                | 3.4%                                     |    |
| 1,2-DICHLORO ETHANE  | 20          | 8.0                      | 52.9                                | 5.8%                                     |    |
| 1,1-DICHLORO ETHENE  | 20          | 4.1                      | 48.4                                | 3.2%                                     |    |
| CIS-1,2-DICHLORO ETHENE  | 20          | 6.5                      | 49.8                                | 0.4%                                     |    |
| TRANS-1,2-DICHLORO ETHENE  | 20          | 5.1                      | 50.6                                | 1.2%                                     |    |
| DICHLOROMETHANE  | 20          | 4.8                      | 49.6                                | 0.8%                                     |    |
| TETRACHLORO ETHENE   | 20          | 12.9                     | 49.1                                | 1.8%                                     |    |
| 1,1,1,2-TETRACHLORO ETHANE   | 20          | 15.2                     | 50.6                                | 1.2%                                     |    |
| 1,1,2,2-TETRACHLORO ETHANE   | 20          | 18.3                     | 49.0                                | 2.0%                                     |    |
| 1,1,1-TRICHLORO ETHANE   | 20          | 7.4                      | 50.3                                | 0.6%                                     |    |
| 1,1,2-TRICHLORO ETHANE   | 20          | 12.6                     | 48.8                                | 2.4%                                     |    |
| TRICHLORO ETHENE   | 20          | 9.1                      | 47.6                                | 4.8%                                     |    |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)                                     | 50          | 4.1                      | 52.3                                | 4.6%                                     |    |
| BENZENE  | 20          | 6.7                      | 52.7                                | 5.4%                                     |    |
| CHLOROBENZENE  | 20          | 14.9                     | 49.7                                | 0.6%                                     |    |
| ETHYLBENZENE   | 20          | 15.2                     | 53.4                                | 6.8%                                     |    |
| TOLUENE  | 20          | 11.6                     | 51.8                                | 3.6%                                     |    |
| m&p-XYLENES  | 100         | 15.5                     | 113                                 | 13.1%                                    |    |
| o-XYLENE   | 50          | 16.5                     | 54.3                                | 8.6%                                     |    |
| ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #156) | FD MORIFE I | NACRATORY (              | FPT #1561)                          |  | 11 |



| DATE: 00/04/00   |                              |             |                                     |  |
|--|------------------------------|-------------|-------------------------------------|--|
| UAIE: 00/21/03   | CALIBRA I LON VERIFICA I LON | VERFICATI   | S                                   |  |
| HP Labs Project #GF081803-L6                           | SUPPLY SOU                   | RCE: SUPEL( | SUPPLY SOURCE: SUPELCO LOT #LSS-773 | က  |
| Lab 6  | INSTRUMENT:                  |             | 850 GC / 5973 M                     | AGILENT 6850 GC / 5973 MASS SPECTROMETER |
|  |                              | NOO         | CONTINUING STANDARD                 | ARD                                      |
| COMPOUND   | MASS                         | RT          | RESULT                              | %DIFF                                    |
| CARBON TETRACHLORIDE                                   | 20                           | 7.7         | 55.5                                | 11.0%                                    |
| CHLOROFORM   | 20                           | 7.1         | 54.1                                | 8.2%                                     |
| 1,1-DICHLORO ETHANE                                    | 20                           | 5.7         | 29.7                                | 13.4%                                    |
| 1,2-DICHLORO ETHANE                                    | 20                           | 8.0         | 56.8                                | 13.6%                                    |
| 1,1-DICHLORO ETHENE                                    | 20                           | 4.1         | 49.6                                | 0.8%                                     |
| CIS-1,2-DICHLORO ETHENE                                | 20                           | 6.5         | 51.1                                | 2.2%                                     |
| TRANS-1,2-DICHLORO ETHENE                              | 20                           | 5.1         | 54.5                                | %0.6                                     |
| DICHLOROMETHANE  | 20                           | 4.8         | 54.1                                | 8.2%                                     |
| TETRACHLORO ETHENE                                     | 20                           | 12.9        | 54.0                                | 8.0%                                     |
| 1,1,1,2-TETRACHLORO ETHANE                             | 20                           | 15.2        | 58.0                                | 16.0%                                    |
| 1,1,2,2-TETRACHLORO ETHANE                             | 20                           | 18.3        | 50.8                                | 1.6%                                     |
| 1,1,1-TRICHLORO ETHANE                                 | 20                           | 7.4         | 52.7                                | 5.4%                                     |
| 1,1,2-TRICHLORO ETHANE                                 | 20                           | 12.6        | 53.2                                | 6.4%                                     |
| TRICHLORO ETHENE                                       | 20                           | 9.1         | 46.1                                | 7.8%                                     |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)                 | 50                           | 4.1         | 62.7                                | 25.4%                                    |
| BENZENE  | 20                           | 7.9         | 58.0                                | 16.0%                                    |
| CHLOROBENZENE  | 20                           | 14.9        | 53.1                                | 6.2%                                     |
| ETHYLBENZENE   | 20                           | 15.2        | 55.1                                | 10.2%                                    |
| TOLUENE  | 20                           | 11.6        | 51.3                                | 2.6%                                     |
| m&p-XYLENES  | 100                          | 15.5        | 112                                 | 12.0%                                    |
| o-XYLENE   | 50                           | 16.5        | 52.1                                | 4.2%                                     |
| ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MORII E I |                              | ACT AGOR    | ARORATORY (CERT #1561)              |  |



| DATE: 08/22/03   | CALIBRATION VERIFICATION | VERIFICAT  | NO                                  |  |
|--|--------------------------|------------|-------------------------------------|--|
| HP Labs Project #GF081803-L6                           | SUPPLY SOU               | RCE: SUPEL | SUPPLY SOURCE: SUPELCO LOT #LSS-773 | en                                       |
| Lab 6  | INSTRUMENT:              | r: AGILENT | 6850 GC / 5973 M                    | AGILENT 6850 GC / 5973 MASS SPECTROMETER |
|  |                          | S          | CONTINUING STANDARD                 | ARD                                      |
| COMPOUND   | MASS                     | RT         | RESULT                              | %DIFF                                    |
| CARBON TETRACHLORIDE                                   | 20                       | 7.7        | 54.1                                | 8.2%                                     |
| CHLOROFORM   | 20                       | 7.1        | 52.9                                | 5.8%                                     |
| 1,1-DICHLORO ETHANE                                    | 20                       | 5.7        | 56.4                                | 12.8%                                    |
| 1,2-DICHLORO ETHANE                                    | 20                       | 8.0        | 56.0                                | 12.0%                                    |
| 1,1-DICHLORO ETHENE                                    | 20                       | 4.1        | 52.8                                | 5.6%                                     |
| CIS-1,2-DICHLORO ETHENE                                | 20                       | 6.5        | 51.3                                | 2.6%                                     |
| TRANS-1,2-DICHLORO ETHENE                              | 20                       | 5.1        | 54.4                                | 8.8%                                     |
| DICHLOROMETHANE  | 20                       | 4.8        | 54.3                                | 8.6%                                     |
| TETRACHLORO ETHENE                                     | 20                       | 12.9       | 52.2                                | 4.4%                                     |
| 1,1,1,2-TETRACHLORO ETHANE                             | 20                       | 15.2       | 54.7                                | 9.4%                                     |
| 1,1,2,2-TETRACHLORO ETHANE                             | 20                       | 18.3       | 49.8                                | 0.4%                                     |
| 1,1,1-TRICHLORO ETHANE                                 | 20                       | 7.4        | 51.6                                | 3.2%                                     |
| 1,1,2-TRICHLORO ETHANE                                 | 20                       | 12.6       | 51.7                                | 3.4%                                     |
| TRICHLORO ETHENE                                       | 20                       | 9.1        | 48.0                                | 4.0%                                     |
| DICHLORODIFLUOROMETHANE (FR12)                         | 20                       | 3.6        | 47.8                                | 4.4%                                     |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)                 | 20                       | 4.1        | 61.4                                | 22.8%                                    |
| BENZENE  | 20                       | 7.9        | 58.4                                | 16.8%                                    |
| CHLOROBENZENE  | 20                       | 14.9       | 52.1                                | 4.2%                                     |
| ETHYLBENZENE   | 20                       | 15.2       | 56.3                                | 12.6%                                    |
| TOLUENE  | 20                       | 11.6       | 54.5                                | %0.6                                     |
| m&p-XYLENES  | 100                      | 15.5       | 117                                 | 17.0%                                    |
| 0-XYLENE   | 50                       | 16.5       | 55.2                                | 10.4%                                    |
| ANAL VSES DEDECTORNED ON SITE IN DOUG CEDITIFIED MODIL | -                        | ンロのよくひのよく  | (VUL) #4664)                        |  |



| DATE: 08/25/03  | CALIBRATION VERIFICATION | I VERIFICATION | NO                                  |   |
|---|--------------------------|----------------|-------------------------------------|---|
| HP Labs Project #GF081803-L6<br>  ମନ୍ତ                                      | SUPPLY SOU               | RCE: SUPEL(    | SUPPLY SOURCE: SUPELCO LOT #LSS-773 |   |
| Lab o   |                          |                | CONTINUING STANDARD                 | AGILEN I 0830 GC / 3973 MASS SPECTRUMETER CONTINUING STANDARD |
| COMPOUND  | MASS                     | RT             | RESULT                              | %DIFF   |
| CARBON TETRACHLORIDE  | 20                       | 7.7            | 54.2                                | 8.4%  |
| CHLOROFORM  | 20                       | 7.1            | 53.1                                | 6.2%  |
| 1,1-DICHLORO ETHANE   | 20                       | 5.7            | 54.8                                | %9.6  |
| 1,2-DICHLORO ETHANE   | 20                       | 8.0            | 55.2                                | 10.4%   |
| 1,1-DICHLORO ETHENE   | 20                       | 4.1            | 50.3                                | %9:0  |
| CIS-1,2-DICHLORO ETHENE   | 20                       | 6.5            | 50.8                                | 1.6%  |
| TRANS-1,2-DICHLORO ETHENE   | 20                       | 5.1            | 54.2                                | 8.4%  |
| DICHLOROMETHANE   | 20                       | 4.8            | 54.8                                | 9.6%  |
| TETRACHLORO ETHENE  | 20                       | 12.9           | 53.8                                | 7.6%  |
| 1,1,1,2-TETRACHLORO ETHANE  | 20                       | 15.2           | 58.3                                | 16.6%   |
| ¥   | 20                       | 18.3           | 54.6                                | 9.2%  |
| 1,1,1-TRICHLORO ETHANE  | 20                       | 7.4            | 52.4                                | 4.8%  |
| 1,1,2-TRICHLORO ETHANE  | 20                       | 12.6           | 51.1                                | 2.2%  |
| TRICHLORO ETHENE  | 20                       | 9.1            | 47.3                                | 5.4%  |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)                                      | 50                       | 4.1            | 61.7                                | 23.4%   |
| BENZENE   | 20                       | 7.9            | 56.4                                | 12.8%   |
| CHLOROBENZENE   | 20                       | 14.9           | 54.1                                | 8.2%  |
| ETHYLBENZENE  | 20                       | 15.2           | 56.4                                | 12.8%   |
| TOLUENE   | 20                       | 11.6           | 55.2                                | 10.4%   |
| m&p-XYLENES   | 100                      | 15.5           | 118                                 | 18.0%   |
| o-XYLENE  | 50                       | 16.5           | 55.6                                | 11.2%   |
| ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE I ABORATORY (CERT #1561 | ED MOBILE I A            | BORATORY (     | CFRT #1561)                         |   |



#### SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: SUPELCO LOT #LSS-774

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

| COMPOUND                               | CAL DATE  | MASS     | RT   | RESULT | %DIFF |
|--|-----------|----------|------|--------|-------|
|  |           | <u> </u> |      |        |       |
| CARBON TETRACHLORIDE                   | 8/12/2003 | 50       | 8.5  | 49.5   | 1.0%  |
| CHLOROFORM                             | 8/12/2003 | 50       | 8.1  | 47.9   | 4.2%  |
| 1,1-DICHLORO ETHANE                    | 8/12/2003 | 50       | 7.4  | 49.0   | 2.0%  |
| 1,2-DICHLORO ETHANE                    | 8/12/2003 | 50       | 8.6  | 49.0   | 2.0%  |
| 1,1-DICHLORO ETHENE                    | 8/12/2003 | 50       | 6.4  | 43.9   | 12.2% |
| CIS-1,2-DICHLORO ETHENE                | 8/12/2003 | 50       | 7.9  | 49.6   | 0.8%  |
| TRANS-1,2-DICHLORO ETHENE              | 8/12/2003 | 50       | 7.1  | 48.6   | 2.8%  |
| DICHLOROMETHANE                        | 8/12/2003 | 50       | 6.8  | 47.0   | 6.0%  |
| TETRACHLORO ETHENE                     | 8/12/2003 | 50       | 10.8 | 50.8   | 1.6%  |
| 1,1,1,2-TETRACHLORO ETHANE             | 8/12/2003 | 50       | 11.7 | 53.9   | 7.8%  |
| 1,1,2,2-TETRACHLORO ETHANE             | 8/12/2003 | 50       | 12.7 | 51.1   | 2.2%  |
| 1,1,1-TRICHLORO ETHANE                 | 8/12/2003 | 50       | 8.4  | 48.5   | 3.0%  |
| 1,1,2-TRICHLORO ETHANE                 | 8/12/2003 | 50       | 10.6 | 45.3   | 9.4%  |
| TRICHLORO ETHENE                       | 8/12/2003 | 50       | 9.2  | 47.1   | 5.8%  |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | 8/12/2003 | 50       | 6.3  | 43.4   | 13.2% |
|  | -         |          |      |        |       |
| BENZENE                                | 8/12/2003 | 50       | 8.7  | 48.6   | 2.8%  |
| ETHYLBENZENE                           | 8/12/2003 | 50       | 11.7 | 54.9   | 9.8%  |
| TOLUENE                                | 8/12/2003 | 50       | 10.3 | 47.6   | 4.8%  |
| m&p-XYLENES                            | 8/12/2003 | 100      | 11.7 | 106.8  | 6.8%  |
| o-XYLENE                               | 8/12/2003 | 50       | 12.2 | 53.0   | 6.0%  |

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE DATA REVIEWED BY: TAMARA DAVIS